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Palmer's Wondergreen Cucumber

Beautiful Dark Green Color, Prolific Yielder. Excellent Quality.

Palmer's Seeds

1928

It Will Stay Green

Pkt., 10c; oz. 15c; 1/4 lb., 40c; 1 lb., \$1.25; 5 lbs., \$5.75; 10 lbs., \$11.00. See Page 12

Palmer Seed. ompany

Broadway and Morgan t. Louis, Mo



A Beautiful Lawn Grown From Triple Test Lawn Grass Seed

PALMER'S



LAWN GRASS

Because of their original inheritance of vigor and beauty from carefully supervised fields, Palmer's Triple-Test Grass Seeds represent the finest quality that Nature produces. They bring a new touch of luxury to your lawn—a rich, green turf that will prove durable and lasting under favorable conditions.

We supply the most critical trade, including many prominent golf clubs, public parks, private estates and institutions. However, you will find our prices on the average not higher than you pay for the ordinary commercial grades.

Kentucky Blue Grass

(Poa Pratensis). The most popular and reliable of all domestic grasses, producing a close, thick turf of a beautiful dark green color. Does best on well enriched, limestone soils.

Canadian Blue Grass

(Poa Compressa). A grass very similar to Kentucky Blue Grass but of a lighter green shade. Some tests show it to be better adapted to poor soils, but for general lawn use the latter is far superior.

Red Top (Agrostis Alba). A member of the Bent family. This is an excellent grass for quick growth and for use on rundown soils and in wet places. It makes a fine, narrow, leaf-blade and is used extensively in mixtures.

English or Perennial Rye Grass (Lolium Perenne). For quick results this grass has no rival. Produces a rather wide blade, and is used principally in a mixture with hardy grasses. Adapted to a medium, moist soil.

Creeping Bent (Agrostis Stolonifera). By far the most beautiful of all turf grasses. It is a low growing grass and produces a carpet of rich, velvet-like green turf. Particularly recommended for golf greens and fine lawns. Thrives best in a moist soil.

What We Mean By "TRIPLE TEST"

Inferior varieties of grass, weak stands, and too many serious weeds are the lawn-maker's chief troub'es. Our grasses are given three rigid tests to verify their worthiness before we place them on the market—

PURITY TEST. Each lot is selected for a maximum of pure, solid seeds and a minimum of chaff and impurities.

VITALITY TEST. Each lot must possess a high germination percentage, and show strong vitality. WEED TEST. Each lot must contain a minimum percentage of noxious weeds, determined by expert laboratory analysis. You need this protection because very few weeds can be detected with the naked eye unless isolated.

TRIPLE-TEST Seeds are LABORATORY TESTED

Red Creeping Fescue

(Festuca Rubra). A creeping rooted grass producing a closely formed turf of excellent texture. Resists drought, and thrives well on poor soils, dry soils, and in shady places.

White Dutch Clover

(Trifolium Repens). White clover will produce a lawn on almost any soil. Its low, close-growing habit makes it valuable in checking crab grass. Much used in mixtures but does not stand dry, hot weather well.

Wood Meadow Grass

(Poa Nemoralis). Similar to Rough Stalked Meadow Grass but not used as extensively in America. Produces narrow, flat leaf-blades of medium dark green color, which make a luxuriant turf. Suited to all soils of medium texture.

Rough Stalked Meadow Grass (Poa Trivialis). By far the best grass for shaded situations. It produces a narrow, flat leaf-blade and forms an exquisite close turf. Used on putting-greens, fairways, and as a general lawn

Sheep's Fescue (Festuca Ovina). Has wiry, stiff "Rough" on golf courses and in pastures. Suited to a dry soil of average fertility.

grass. Suited to all soils of reasonable fertility.

PALMER'S LAWN GRASS—Continued.

Lawn Grass Seed Prices

Special Quantity Pri	ces c	n Requ	iest.	
		3 lb.	5 lb.	10 lb.
Kentucky Blue Grass \$	0.45	\$1.25	\$2.00	\$3.75
Canadian Blue Grass	.45	1.25	2.00	3.75
Forest Park Mixture	.45	1.25	2.00	3.75
Red Top	.10	1.10	1.75	3.25
English Rye Grass	.25	.70	1.00	1.80
Creeping Bent	1.25	3.60	5.75	11.00
Red Creeping Fescue	.60	1.75	2.75	5.50
Wood Meadow Grass	.85	2.40	3.75	7.25
Rough Stalked Meadow Grass	.75	2.00	3.25	6.00
Sheep's Fescue	.60	1.75	2.75	5.50
Putting Green Mixture	.75	2.00	3.25	6.00
Shady Lawn Mixture	.60	1.75	2.75	5.50
Terrace Mixture	.60	1.75	2.75	5.50

"Beautiful Lawns" a Treatise On Lawn Making-Free

Creeping Bent Stolons

Washington Strain

Washington Strain

The NEW method of lawn making! Produces beautiful velvet-like grass in 8 to 10 weeks. Challenges the beauty of the best golf greens in the country.

Washington Bent Grass is grown from stolons—not seed. A stolon is a creeping stem, possessing a series of joints on which new shoots and roots develop. Washington Bent spreads by the jointed stems along the surface of the soil and also subterraneously, each joint taking root and starting a new independent plant. It spreads rapidly and forms a close matted turf that is durable and will crowd out weeds. will crowd out weeds.

\$15.00 buys enough Washington Bent Stolons to plant

write for descriptive circular on Washington Bent Lawns. It's free.

Mixtures for Special Purposes

Forest Park Mixture A blend of the best grasses. It will prove the best mixture for the average home lawn whether in the city or country. Contains quick growing grasses for immediate results and permanent grasses for lasting beauty. Many of the finest lawns in St. Louis are seeded with Forest Park Mixture.

Putting Green Mixture A properly balanced mixture of the best grasses for putting greens, selected especially for critical trade. Contains Creeping Bent, Red Top, and Red Creeping Fescue.

Fairway Mixture

It is hard to build a Fairway Mixture that will suit all soil and climatic requirements. Therefore, we prefer to have you inform us of the conditions you have to meet and we will suit all soil. will submit our recommendation based on your actual needs.

Shady Lawn Mixture
The reason for most lawn failures in shaded places are not used. Palmer's Shady Lawn is a special formula of grasses best suited to growing in the shade and we feel sure that it cannot be improved upon. A liberal application of fertilizer, preferably Sacco, and a good sowing of this mixture will sur-

Terrace Mixture

A special mixture of grasses for terraces and sloping lawns.

They have the vigor and enduring qualities that resist drought and exposure, and spreading roots that prevent washing from heavy rains. If you are having difficulties with your terrace we urge that you give this mixture a trial. It makes a rich, green turf and will thrive on any average soil, even though shallow.





Meet the Men Behind Palmer's Seeds

HOUSANDS of customers who come to our store on Broadway know these men personally. They have felt the enthusiasm and friendliness manifested by this group of seed specialists in serving their customers well. They know the courtesy that is handed over the counter with each package of Palmer's Seeds, whether for 5 cents or for a hundred dol-lars. And they know the Palmer label stands for genuine seed quality.

But our mail order customers also like to know the men with whom they do business. That is why we all had our pictures taken for this catalog. We want you to feel that your orders are being looked after by trained and competent seedsmen.

Our Store at Broadway and Morgan.

These men are looking out for your interest at every turn. You can enjoy peace of mind when you place your confidence in them. Write them when you need information on any phase of gardening. You will receive a reply by the next mail, with helpful advice and counsel.

THE BEGINNING OF OUR COMPANY The Palmer Seed Company was organized to take over the retail and mail order seed business conducted for over 30 years by Schisler-Corneli Seed Company on North Fourth Street. They bequeathed to us an enviable reputation as seedsmen, a heritage which is destined to inspire us in an honorable business career. The new location on Broadway and Morgan was selected because of its greater convenience to the public.

BUY YOUR SEEDS IN ST. LOUIS We have established here in the middle west a house that supplies seeds and bulbs of quality. Our location in St. Louis—the city surrounded by the United States—makes it easier for the people in the Mississippi Valley to secure dependable seeds. We can deliver seeds quickly to any post office and railroad station in the country.

It is no longer necessary to send to far off Eastern markets when we have complete and reliable stocks here in St. Louis. We can serve you better than the seed house a thousand miles away. No doubt, you would rather trade closer to home anyway.

WHY PALMER'S SEEDS ARE GOOD

RELIABLE ORIGIN. Palmer's Seeds are the highest quality grown in America and Europe. They come from reliable sources. They are bred-up by expert growers of many years experience.

LABORATORY TESTED. Palmer's Seeds come to you fresh and dependable. They are tested in our own laboratory for vigorous life. Seeds found to lack the proper strength are discarded. Only live, vital seeds being shipped to our customers.

DOUBLE-QUICK SERVICE. Palmer's Seeds are shipped within 24 hours after we receive your order. No waiting. No anyiety. No loss of crops from delayed shipments.

No waiting. No anxiety. No loss of crops from delayed shipments.

PALMER'S STRINGLESS GUARANTEE—"SATISFACTION OR YOUR MONEY BACK"
We guarantee safe arrival. When your seeds arrive test them for 10 days and if you are not completely satisfied return them at once. We will refund the full purchase price, and let you be the sole judge and jury. No controversy.

SEEDS FOR PROFESSIONAL AND AMATEUR GARDENERS

Most of our customers are professional gardeners—men who make their daily bread from the soil. Good seeds are vitally important to their success. More important even than the sunshine and the summer showers. The amateur who grows flowers for the love of them and vegetables for his table can find no better. We welcome orders from those who have just a "Little Garden." You will receive the same high quality of seeds that we supply our professional growers.

Remember this—that back of every package of Palmer's Seeds stands the reputation of the men greeting you on this page. We hold ourselves responsible for your receiving the best seeds that money can buy.

Earnestly yours, EDW. C. PALMER, Pres.

HOW TO ORDER PALMER'S SEEDS

BE SURE to sign your full name, post office, rural route and state on every order. If your seeds are to be shipped by express, state your nearest express office; if by freight state your nearest railroad office.

SEND REMITTANCES either by check, post office money order or express money order. Small amounts may be conveniently sent in stamps. C. O. D. orders should be accompanied with 25% of amount of the order.

WE PAY DELIVERY CHARGES on all orders for flower seeds, bulbs, lawn grass, and small vegetable seeds to any post office, express office or railroad station in the United States at prices quoted in this catalog

CUSTOMER PAYS DELIVERY CHARGES on peas, beans, corn, farm seeds, grass seeds, fertilizers, insecticides, onion sets, vegetable plants, seed potatoes, etc. Please include transportation cost with

FREE LOCAL DELIVERY SERVICE: All orders amounting to \$2.50 or over will be delivered free in St. Louis, University City, Pine Lawn, Normandy, Richmond Heights, Overland, Maplewood, Shrewsbury Park, Olivette, Webster Groves, Kirkwood, Clayton, Luxemburg, Baden, Jennings, Brentwood, Wellston and Affton.

NON-WARRANTY. While we exercise the greatest care in growing and selecting our seeds we give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and will in no way be responsible for the crop.



EDWARD C. PALMER President



JOHN W. ECKLES Vegetable Seed Specialist



THOMAS LONGMAN Flower Seed and Bulb Specialist



WILLIAM BREUER, JR. Salesman



Vegetable Seed Department

Seeds For Professional and Amateur Gardeners

Palmer's Asparagus Seed

One ounce will produce about 200 roots; 3 lbs. will produce enough roots for one acre.

DIRECTIONS FOR FLANTING. The most suitable soil for growing Asparagus is a light, sandy loam, reached by an abundance of sunshine, and kept in a good state of cultivation. Sow the seed in the Spring, in rows about 18 inches apart, using about 15 to 20 seeds to a foot of row, cover with about one inch of soil. By the following Spring the roots will be ready for setting in the permanent bed.

Mary Washington Rust-Proof (2 years). This variety is lar Asparagus available today. It was introduced by the United States Department of Agriculture and has proved to possess remarkable rust-resisting qualities. Produces long, straight stalks of a rich green color running darker at the tips. While it has the thickness desired in Asparagus, you will find it the most tender and deliciously flavored that you have ever tasted. For vigor and hardiness, Mary Washington cannot be excelled. The original plant is still producing after fifteen years. Fkt., 10c; 0z., 15c; ¼ 1b., 50c; 1b., \$1.75.

Palmetto (2 years). The large, thick, dark green stalks of this variety have made it a favorite with many gardeners. Froduces early and throws an abundance of excellent quality tips, which are distinctly pointed. Fkt., 5c; oz., 10c; 1/4 lb., 30c; lb., 75c.

Giant Argenteuil

(2 years). A vigorous growing and prolific variety that usually commands a good price on the market. The heads are slightly pointed and closely set with scales; stalks grow to a mammoth size, sometimes weighing as much as four ounces. Its green color gives it a good appearance. Pkt., 5c; oz., 10c; ¼ 1b., 30c; 1b., 75c.

Asparagus Roots

Choice 2-year-old Stock.

Asparagus roots are planted in trenches 1 foot wide and 6 inches deep. Lay the roots 18 inches apart, taking care to spread the roots well with the crown up. Then cover them with about 4 inches of soil. As the plants begin to grow. gradually fill in the trenches to the surface. They may be planted in either single-row or double-row beds, allowing about 3 to 4 feet between beds in either case, 2-year-old plants, set out in the Spring, will yield tips for use the following Spring; however, it is best to cut sparingly the first season. INGTON. 25c per doz.: \$1.75 per 100: \$15.00 per 1000.

MARY WASHINGTON. 25c per doz.; \$1.75 per 100; \$15.00 per 1000.

PALMETTO. 25c per doz.; \$1.75 per 100; \$15.00 per 1000.

Artichoke Seed

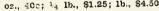
One ounce will produce 500 plants.

DIRECTIONS FOR PLANTING. The lower portion of the flower head and the scales are used as a salad, either boiled or raw. Artichoke plants thrive best in a deep, rich, well drained soil. Start the seed in hotbeds during February or March, and when the weather becomes favorable, transplant them to the open in rows 3 to 4 feet apart, allowing about 2 feet between each plant. Mulch with straw during the Winter months for protection. Seed sown in February or March will produce globes the first year.

Green Globe

Warch will produce globes the first year.

(Vegetable Artichoke). Cultivated for its undeveloped flower beads, and served like asparagus. Demands high prices in all markets as it is considered a delicacy. However, it has not proved a successful crop in the North, as it requires continued warm weather for perfect growth. Pkt., 10c; oz., 40c; 14 lb., \$1.25; lb., \$4.50.



Artichoke Rocts

Jerusalem Grown extensively in some sections for stock feed, being liked by all stock. Produces an enormous yield of roots sometimes averaging as high as 400 bushels to the acre. They are also recommended for cattle, sheep and horses, and are said to be as valuable as bran as a milk producer. The Jerusalem Artichoke is sometimes ducer. The Jerusalem Artichoke is sometimes used as a boiled salad, and in mixed pickles. Also of much value for making sugar, but this branch of its use is yet undeveloped. Plant them like potatoes, using about three bushels of cut tubers to the acre. Cut 2 eyes to the piece and plant them in rows about 8 feet apart; plant the pieces about 18 inches apart in the rows and cover with 2 inches of soil. They will stand extreme cold weather and may be planted earlier than potatoes. One planting will produce roots for several years. Lb., 10c; 10 lbs., 60c; 100 lbs., \$4.00. Write for special low prices in large quantities.



Mary Washington Asparagus.



Green Globe Artichoke.

Palmer's Bush Beans

DIRECTIONS FOR PLANTING. A warm, well drained sandy loam, well manured, is the most satisfactory soil for growing Beans. Plant them when the ground has become warm and dry, in rows 18 to 24 inches apart, dropping the beans 3 to 4 inches apart in the row and covering them with about 2 inches of soil. For a succession of green beans plant every two weeks up to August 1. Do not cultivate or pick beans when the bushes are wet, as this promotes rust and blight.

Best Green Podded Varieties

Write for Special Frices in Large Quantities.

Improved Red Valentine (42 days). Our strain is a great improvement over the original as it matures earlier and retains its appearance and quality for a long time after being picked. The plants grow about 15 to 18 inches tall and produce a big crop of Beans about 4 inches long, round-podded, very fleshy and brittle. They do not show strings until nearly full grown. **Pkt.**, 10c; ½ 1b., 20c; 1b., 35c; 5 1bs., \$1.40.

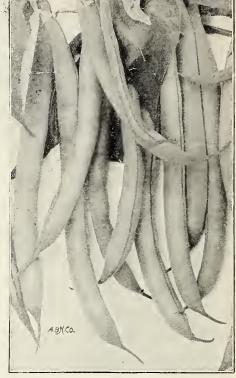
Burpee's Stringless Green Pod (42 days). One of the most valuable green pod Beans. Matures early and yields an abundance of medium-long pods, absolutely stringless, and possessing a tenderness and flavor unequalled. They have a pale green color, are very brittle and juicy, and remain in good condition a long time after reaching full size. The plants have a spreading habit of growth and are enormously productive. Pkt., 10c; ½ 1b., 20c; 1b., 35c; 5 1bs., \$1.40.

Longfellow (42 days). A valuable variety for market or home use. Yields round, dark green pods that average 6 inches or more in length, very slender and straight. They are free of tough lining, and, until the pods are old, almost entirely stringless. Pkt., 10c; ½ 1b., 20c; 1b., 35c; 5 1bs., \$1.40.

Full Measure (42 days). One of the best of the stringless green podded snap Beans, and is gaining in favor rapidly. Produces long, straight, fleshy, round pods averaging about 6 inches in

length and having a medium green color. It is an early maturing variety and strictly stringless. Many commercial growers are turning to Full Measure and find it a good seller. Pkt., 10c; ½ 1b., 20c; lb., 35c; 5 lbs., \$1.40.

Bountiful (42 days). Best of the flat-podded stringless varieties. The rich, green pods are 6½ to 7 inches long, broad, stringless and of a fine flavor. Bears profusely for a long season. Pkt., 10c; 1/2 lb., 20c; lb., 35c; 5 lbs., \$1.40.



Brittle Wax Beans.

Giant Stringless Green Pod (45 days). Matures among the earliest of green pod varieties, producing nearly round pods 5 to 6 inches long that are brittle and stringless. The pods are straighter and more siender than Burpee's Stringless Green Pod, more depressed between the beans and mature a little later. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.40.

Black Valentine (40 days). Popular because of its extreme hardiness and blight-resisting quality. Matures early and produces a good yield of long, round, straight pods that are excellent for market because of their handsome appearance. Will stand more wet weather and frost than other varieties. Pkt., 10c; ½ 1b., 20c; 1b., 35c; 5 1bs., \$1.40.

Best Wax or Yellow Podded Varieties

Brittle Wax (42 days). Round-podded. White-seeded. Acclaimed by all who know it as the "King of Wax Beans." Yields an enormous quantity of handsome round pods that combine all the qualities wished for in a Wax Bean. Fleshy, absolutely stringless, extremely hardy, and of a rich yellow color. The pods average about 7 inches in length and have a delightful flavor. Pkt., 10c; ½ 1b., 25c; 1b., 40c; 51b., \$1.75.

Unrivaled Wax (42 days). A very desirable extra early, prolific variety bearing beautiful, showy, golden yellow pods, which show their color at an early stage of growth. The pods are nearly 6 inches long, almost round, straight or slightly curved at the end and while showing a trace of strings are brittle and tender. The plant is strong and vigorous and quite resistant to rust. Pkt., 10c; ½ lb., 25c; lb., 40c; 5 lbs., \$1.75.

Improved Rustproof Golden Wax (40 days). A decided improvement over the old Golden Wax. The bush grows about 12 inches high and is practically free from rust; pods average 5 inches long, are straight, flat, brittle and absolutely stringless. Matures extra early. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.40.

Pencil Pod Black Wax Improved (45 days). This valuable variety yields an enormous crop pellow color. The pods are round, fleshy, stringless and tender. It is an early maturing variety and used extensively throughout the Mississippi Valley. The Beans are black. Pkt., 10c; 1/2 1b., 20c; 1b., 35c; 5 1bs., \$1.40.

Wardwell's Kidney Wax (48 days). A popular market variety on account of its earliness, flat pods, about 5 to 6 inches long; very brittle and nearly stringless. Pkt., 10c; ½ 1b., 20c; 1b, 35c; 5 1bs., \$1.40.

Palmer's Shell Beans

Red Kidney (60 days). Dwarf growth and hardy constitution. Pods average 5 to 6 inches long and are borne in great numbers, producing an enormous yield of Beans. Pkt., 10c; ½ 1b., 20c; 1b., 35c; 5 lbs., \$1.30.

White Navy (75 days). Recommended for its heavy yield and disease resisting qualities. Of dwarf growth and the Beans are clear white and of wonderful appearance. Pkt., 10c; ½ lb., 15c; lb., 25c; 5 lbs., \$1.00.



Improved Red Valentine Beans.

Palmer's Pole Beans

One pound will plant 100 hills; 30 pounds will plant an acre.

DIRECTIONS FOR PLANTING. They should be planted about two weeks later than bush varieties, in rows 3½ to 4 feet apart running north and south. Use poles 8 to 10 feet long and stick them 18 inches deep, slanting slightly to the north. In the hill around each pole plant 5 or 6 Beans, about 2 inches deep. When the plants are well advanced, thin out to the four strongest and tie them to the pole.

Write for Special Prices in Large Quantities.

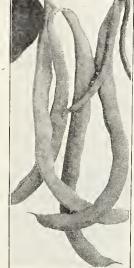
St. Louis White Cornfield (Perfection). (65 days). The leading pole Bean among the Missouri and Illinois market gardeners. It matures among the earliest varieties and produces a bountiful yield of long, round and fleshy pods in large clusters. The seeds are pure white and are used considerably as shell Beans. We recommend this variety very highly on the strength of its past performance. You will like it. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.40.

Kentucky Wonder (Also known as Old Home-pole Bean is the most popular variety grown from the Atlantic to the Pacific. Bears a good crop of magnificent pods 7 to 9 inches in length, combin-ing all the good qualities of a Pean to an appropria ing all the good qualities of a Bean to an unusual degree. While it is slightly stringy it is considered by authorities the best flavored Bean in cultivation. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs.,

Golden Cluster Wax (70 days). We recommend this sort above all other yellow-podded pole Beans. It is a hardy, vigorous growing kind and produces an early crop of light yellow pols 6 to 7 inches long. The pods are straight and flat and the flesh is brittle and of a delicious flavor. From the standpoint of quality and immensity of yield it is above criticism. Fkt., 10c; ½ 1b., 20c; 1b., 35c; 5 1bs., \$1.40.

Kentucky Wonder Wax (60 days). A yellow-podded Kentucky Wonder producing an abundance of fine quality pods

slightly stringy, but possessing a flavor equaled only by the green pod variety from which it takes its name. This is the first year we have of-fered this wonderful Bean, and we want all of our friends to try at least a small quantity. Pkt., 10c; ½ 1b., 25c; 1b., 40c; 5 1bs., \$1.75.



Kentucky Wonder Beans.

Improved Henderson Bush Lima Beans.

PALMER'S BUSH LIMA BEANS-Continued.

Burpee's Improved Bush Lima (90 days). By perior of the large flat-seeded Limas. Both pods and bears are of enormous size, some pods measuring 6 inches long. The vines are vigorous and highly productive and the Beans have a luscious flavor. Fkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.40.

Improved Henderson (80 days). This remark-able introduction is about 50 per cent larger than the original Henderson Bush Lima; but is equal in earliness and quality, raturing before the other bush varieties. It has the rich, buttery flavor common to all Lima Beans and is a prolific yielder. Our stock of this marvelous Lima Bean is very limited, so order early if you want some. It is a winner and you'll like it. Blat. 10.18 [18] like it. Pkt., 10c; ½ lb., 25c; lb., 40c; 5 lbs., \$1.75.

Fordhook Bush Lima (80 days). We highly recommend the Fordhook as best of the so-called "Potato" Limas. The bush best of the so-called "Potato" Limas. The bush has an upright habit of growth, which prevents the pods from coming in contact with the soil, avoiding rust and rot. The pods are borne in clusters of from 4 to 8 pods. The individual pods are about 5 inches long and contain 4 to 5 large, oval-shaped beans. Exceedingly popular with market gardeners in some sections. Pkt., 10c; ½ 1b., 25c; lb., 40c; 5 lbs., 2175

Palmer's **Bush Lima** Beans

One pound will plant 75 feet of row; 30 pounds will plant an acre.

DIRECTIONS FOR PLANTING.Lima Beans require a light, sandy loam and should not be planted until weather has become warm and settled. Plant them in rows 2 to 3 feet apart, placing the beans (eye down) 4 to 5 inches apart in the rows and cover firmly with two inches of soil. If planted in hills, make the rows 3 feet apart and plant the beans 2 feet apart in the row, using 4 to 6 beans to a hill.

Write for Special Prices in Large Quantities.

Henderson's Bush Lima (80 days). If you prefer a small Lima Bean you cannot grow a small Lima Bean you cannot grow a better variety than Henderson's. It is a vigorous, hardy sort, and produces an early crop of delicately flavored small Beans. Pods are 3 inches long and contain 3 to 4 beans. The plants grow about 20 inches high and bear continuously throughout the season. Matures 10 to 14 days earlier than Burpee's. Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.40.

Palmer's Pole Lima Beans

One pound will plant 100 hills: 30 pounds will plant an acre.

DIRECTIONS FOR PLANTING. Best results will be obtained if they are planted in a well manured, sandy loam soil, two weeks after warm weather arrives. Use poles 8 to 10 feet long, sticking them 18 inches deep and 3½ to 4 feet apart each way. Slant them slightly to the north, In each hill plant 4 way. Slant them slightly to the north. In each hill plant 4 to 6 beans and when well advanced, thin out to the three strongest plants.

Write for Special Prices in Large Quantities.

Large White Pole Lima (90 days). This highly esteemed mam-moth-podded pole Lima is the standard of pole Limas. It has a vigorous growth, is medium early, and very productive. Pods are 4 to 5 inches long and contain 4 to 5 large beans of a wonderful flavor. Pkt., 10c; ½ lb., 25c; lb., 40c; 5 lbs., \$1.75.

Small Lima or Sieva (85 days). Grown extensively throughout the North because of its earliness and productiveness. The plant is large growing and hardy and the small white beans are about the size of Henderson's Bush Lima. Fkt., 10c; ½ 1b., 25c; 1b., 40c; 5 1bs., \$1.50.

King of the Garden (90 days). An old reliable variety offered as an improvement of Large White Lima. The plants are strong and the uniform, large pods contain 4 to 5 beans of surpassing quality and attractive appearance. Pkt., 10c; ½ 1b, 25c; 1b., 40c; 5 lbs., \$1.75.

> Inoculate Beans and Peas with Humogerm. (See page 50).



Crosby's Jmproved Egyptian

Crosby's Improved Egyptian

(40 days). We recommend Crosby's Egyptian as a com-Crosby's Egyptian as a combination of earliness, good shape, good color and good quality. It is not as flat as Extra Early Egyptian. The color is bright red with slightly lighter zonings, and the flesh is exceedingly tender and sweet. It has the advantage of being fit for market earlier than most Beets, as it forms a turnip shape at very early stage of growth. The tops and tap root are both small. Pkt., 5c; oz., 10c; 14 1b., 30c; 1b., 80c; 5 1bs., \$3.50.

Edmand's Farly Blood Turnip (42 days). This well known sec-ond early Beet is used universally to follow the extra early varieties and is one of the best for Winter use. It grows with a short top, dark red skin, purple flesh, and the roots are nearly round. We sell more of Edmand's then any other for Winter use. Pkt., 5c; oz., 10c; 14 lb., 40c; lb, \$1.00; 5 lbs., \$4.00.

Crimson Globe (45 days). This is a medium sized Beet, and rather oblong in shape. It is a second-early sort, produces smooth roots and the flesh and skin are both of sort, produces smooth roots and the nesh and skin are both of a very dark color. Tops are small and dark bronze. An excellent tasting Beet and especially recommended for late or main crop use Pkt., 5c; oz., 10c; 1/4 lb., 30c; 1b., 80c; 5 lbs., \$3.50.



Brussels Sprouts.

Palmer's Garden Beets

One ounce will plant 50 feet of row or produce 2500 plants, 6 pounds per acre.

DIRECTIONS FOR PLANTING. A well manured, light, sandy loam soil is desired for Beets. For extra early crop sow seed in hotbeds and transplant when weather permits. For main crop sow as soon as the ground is workable in rows to 1½ feet apart, covering the seed with one inch of soil. When the plants acquire 3 or 4 leaves, thin out to 3 or 4 inches apart.

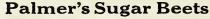
Nutting Gem (40 days). A selection from Early Wonder. It is an extra early, globe-shaped variety of uniform size and deep blood-red color. Smooth skin, tender flesh, and makes very short tops. Being a rapid grower it is especially desirable for forcing and early outdoor culture. Pkt., 5c; oz., 10c; 1/4 1b., 30c; 1b., 80c; 5 1bs., \$3.50.

Detroit Dark Red (Special Strain). (50 days). Here is a Beet you will like whether you grow for home use or market. Almost globeshaped with small tops and tap roots. The skin is of blood-red color and the flesh dark red. Deliciously tender and for canning it has no superior. An excellent Beet for early or late planting. Pkt., 5c; oz., 10c; ½ 1b., 30c; 1b., 80c; 5 lbs.,

Early Wonder (40 days). This splendid Beet is, we believe, the earliest and most handsome globe-shaped variety on the market. It has almost perfect shape, small tops and short tap roots, and a beautiful red color. Has a shorter top than Crosby's Egyptian and considered superior by many. Fkt., 5c; oz., 10c; ¼ 1b., 30c; 1b., 80c; 5 1bs., \$3.50.

Extra Early Flat Egyptian (40 days). One of the very earliest small tops. The roots are distinctly flat and the flesh is a purplish red color and of good quality. It is somewhat smaller than Crosby's Egyptian and is grown in large quantities for market as well as being popular for home gardens. Pkt., 5c; oz., 10c; ¼ lb., 40c; lb., \$1.25; 5 lbs., \$5.00.

Long Smooth Blood Red (65 days). A standard long, late va-blackish red flesh. 12 to 14 inches in length, of fine quality and an excellent keeper. Pkt., 5c; oz., 10c; ¼ 1b., 30c; 1b., 80c; 5 lbs., \$3.50.



Vilmorin's Improved Sugar (90 days). An improvement on White French Sugar, used widely for making sugar. Grows to a large size, has a creamy colored skin and white flesh. High in sugar content. Pkt., 5c; oz., 10c; ¼ 1b., 20c; 1b., 50c; 5 1bs., \$2.25.

Stock Beets or Mangel Wurzel

Mammoth Long Red (115 days). Same as Norbiton's Giant. This sort attains enormous size and will produce 30 to 50 tons of roots to the acre. Roots are cylindrical in shape, light red skin and the flesh varies from white to rose colored. Grows well above the ground. Pkt., 5c; oz., 10c; 1/4 lb., 20c; lb., 50c; 5 lbs., \$2.25.

Golden Tankard (95 days). The larg-producing immense roots nearly cylindrical in shape and narrowing abruptly at both ends. The skin is deep orange-yellow, and the flesh is zoned yellow and white. Very productive and sweet. Pkt. 5c; oz., 10c; ¾ 1b., 20c; 1b., 50c; 5 1bs., \$2.25.

Broccoli

One ounce will produce 2000 plants; 1/4 pound will plant an acre.

DIRECTIONS FOR PLANTING. Closely allied to the cauliflower but inferior in quality, though much hardier. The heads are taller and more divided. Sow the seed during April and transplant in May into rich ground. Make the rows 2½ feet apart and allow 18 inches between each plant in the row.

Large White Cape (125 days). Sur-for earliness and quality. Good for forcing. The head is large, firm and white, finely grained. Pkt., 10c; oz., 30c; ½ 1b., \$2.25; lb., \$7.00.

Large Green Italian (125 days). Similar to the White Cape except that the heads are green. Popular with Italian trade and will prove a profitable crop wherever grown. Do not confuse with Italian Green Sprouting. Pkt., 10c; oz., 50c; ¼ 1b., \$2.75; 1b., \$8.00.



Mammoth Long Red.

Brussels Sprouts One oz. will produce 1500 plants or sow 500 feet of row; 6 ozs. per acre.

Nutting Gem Beets.

DIRECTIONS FOR PLANTING. Sow the seed outdoors in June, and when the plants are advanced set them out in rows 3 to 4 feet apart, allowing one foot between each plant. The seed may also be sown thinly in rows and thinned out without transplanting. Brussels Sprouts resemble miniature cabbages and grow thickly along the entire length of an upright stalk. Cooked and served like cabbage.

Long Island Improved Produces a large crop of sprouts of delicious quality. This variety can be grown under less favorable conditions than others and is superior in quality. Fkt., 10c; oz., 25c; ¼ 1b., \$1.00; lb., \$3.50.

Borage Seed

A hardy annual used as a pot herb and for bee pasturage. The bruised leaves, immersed in water, give it an agreeable flavor resembling that of cucumbers, and are sometimes used in Fkt., 10c; oz., 15c; 1/4 lb., 50c; salads.

Palmer's Tested Cabbage Seed

One ounce will produce 2000 plants; 10,000 to 12,000 plants

are required to plant an acre.

**PIRECTIONS FOR PLANTING. Cabbage is best suited to a deep, well drained, heavy loam soil, highly manured. For early use start the seeds in a hotbed about February 1st. Set the plants out in April in rows 2 to 2½ feet apart, allowing 18 inches between each plant in the row. If a hotbed is not available sow the seed in the open ground as soon as it can be worked and transplant in about four weeks. For second-carly Cabbage sow the seed in April and transplant in May. For late Cabbage sow the seed in May and transplant in July.

Best Extra Early Varieties

New Golden Acre (Special Strain). (70 days). A wonderfully fine extra early, round-headed variety on the order of Copenhagen Market. The plant is small, very compact, with few outer leaves and matures earlier than Jersey Wakefield and Copenhagen Market. We can recommend Golden Acre very highly to market gardeners who want an earlier Cabbage than Copenhagen Market and of equal quality. Pkt., 10c; oz., 60c; 1/4 lb, \$2.00; lb., \$6.00.

Copenhagen Market (75 days). Our special strain of this splendid Cabhage has won solid approval wherever it has been used. It is the largest round-headed Cabbage and was the earliest until the introduction of Golden Acre, which is about 5 days earlier. The heads are large, uniformly round, with few outer leaves and they all mature about the same time. Will stand a long time without bursting. An excellent and profitable variety for market gardeners. Fkt., 10c; 0z., 40c; ½ lb., \$1.00; lb., \$3.50.

Farly Jersey Wakefield (75 days). This fine old variety has long heen recognized as the best extra early pointed head variety. The heads are of medium size, pyramidal in shape with pointed peaks. Its uncommonly fine heading qualities together with the

pyramidal in snape with pointed peaks, heading qualities together with its fitness for wintering in cold frames, pleases the most critical gardeners. It has a delicacy of flavor rarely found in other Cabbages. Pkt., 10c; oz., 25c; 1/4 lb., 75c; lb., \$2.50.

Large Charleston Wakefield

(80 days). Similar in many respects to the Jersey Wakefield. The heads are much larger, less pointed, but equally as solid. It is a vigorous grower with slightly spreading leaves and is exceedingly hardy. Pkt., 10c; oz., 40c; ¹/₄ lb., \$1.00; lb., \$3.50.

Palmer's Early Market

(75 days). This splendid variety of Danish origin runs more uniform in type than any other Cabbage. It has a small, short stemmed plant and produces round, solid heads weighing 5 to 8 pounds. It may be planted closer than other sorts, as the lεaves curve inward, thus saving space and at the same time affording protection to the head. Fkt., 10c; oz., 40c; 1/4 lb., \$1.25; lb., \$4.50.



Best Second Early Varieties

Glory of Enkhuizen (85 days).

A medium early short-stemmed variety with round heads. Similar to Copen-hagen Market but matures later. Grown largely by market gardeners, but equally popular with amateurs who have acquainted themselves with its splendid quality. Fkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

Farly Flat Dutch (90 days). A very reliable medium early sort and a sure header. Makes large, flat, solid heads that are large for the size of the plant. Has comparatively few outer leaves. Pkt., 10c; 0z, 30c; 14 lb., 90c; lb., \$3.00.

Henderson's Early Summer

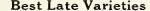
(85 days). This is a reliable second early variety making a large, solid, flat head, maturing about 10 days later than Jersey Wakefield. Short outer leaves. P1 10c; oz., 25c; 1/4 1b., 75c; 1b., \$2.50. Pkt.,

All Seasons This variety offered under Disease Resistant Strains en page 8.

Succession (90 days). We consider this one of the best sorts for second early crop. Matures a few days later

one of the best sorts for second early crop. Matures a few days later than Early Summer, produces larger neads, becoming solid before they are fully matured which affords early cutting if wanted. Heads flat. Fkt., 10c; 0z., 25c; ¼ lb., 75c; lb., \$2.50.

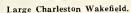
This variety offered under Disease Resistant Strains on page 8. Wisconsin Brunswick



Palmer's Late Flat Dutch (110 days). This is without question the best strain of late Dutch being offered anywhere. The heads are large and flat and grow remarkably even and solid. Low growing and has few outer leaves. For Winter keeping we do not hesitate to say it has no superior. Pkt., 10c; oz., 30c; ½ 1b., 90c; 1b., \$3.00.

Late St. Louis Market (110 days). We recommend this strain as the different from most other varieties. It makes fine large heads, is shortstemmed and a sure header. The plants are vigorous and hardy and produce large broad leaves, the outer ones inclined to spread and the heads are uniform, large and solid. It will stand longer in the field without bursting and is recommended for its exceptionally good keeping qualities. Fkt., 10c; oz., 30c; 1/4 lb., 50c; lb., \$3.00.









Red Cabbage

Mammoth Red Rock (110 days). The largest and surest heading red Cabbage. Very uniform in size and weight and has a deep red color. The heads grow to weigh about 10 to 12 pounds. Pkt., 10c; oz., 40c; ½ lb., \$1.00; lb., \$3.50. Dark Red Erfurt (80 days). Produces medium size, compact heads that are practically round. The heads are unusually solid and have a deep red color. This variety is a favorite among those desiring an early maturing red Cabbage, that combines tenderness and good keeping qualities. We recommend it very highly. Pkt., 10c; oz., 40c; ½ lb., \$1.00; ib., \$3.50.

Savoy Cabbage

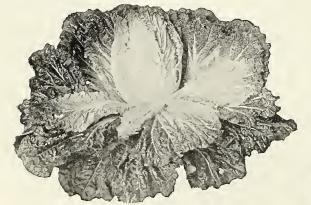
Large Drumhead Savoy

Savoy Cabbage. Many consider it better than the flat-leaved sorts and it is as tender as cauiflower. This variety is the best and largest heading Savoy, and its plants are strong and vigorous. The heads are round, compact and solid, maturing late. Fkt., 10c; 0z., 40c; ¼ 1b., \$1.00; 1b., \$3.75.

Dwarf Ulm Savoy (95 days). The heads of this variety are uniform, solid and leaves are beautifully crumpled. It is of dwarf growth, having a short stem and matures earlier than other varieties. The quality is superior to many of the Savoy-leaved Cabbages. Pkt., 10c; oz., 40c; 14, 1b., \$1.00; 1b., \$3.75.

New Yellows Resisting Cabbage

Wisconsin Hollander (120 days). A heavy yielding late storage type selected from Danish Ballhead or Hollander variety; highly resistant to yellows; round head type; color similar to Hollander. Pkt., 10c; oz., 50c; 1/4 lb., \$1.25; lb., \$5.00.



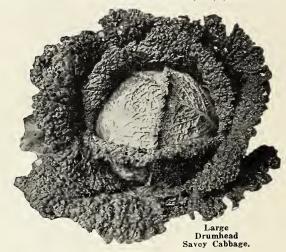
Chinese Cabbage, Wong Bok.

YELLOWS RESISTING CABBAGE-Continued.

Early Marion Market (75 days). Selected from Copenhagen Market. Highly resistant to yellows; round head, short stem; will permit close planting; unsurpassed quality; same season as Copenhagen; good yielder. The best resistant Copenhagen type on the market. Pkt., 15c; oz., 75c; ¼ 1b., \$2.75; 1b., \$9.00.

Wisconsin All Seasons (100 days). This is a second early Lrumhead type yielding large sized heads. Short stem; seldom bursts; heavy yielder. Remarkable for its ability to stand hot sun and dry weather. May be planted for early or late crops. Pkt., 10c; oz., 30c; ½ 1b., \$1.00; lb., \$3.50.

Wisconsin Brunswick (100 days). Second early, highly resistant to yellows; a heavy yielder; similar in type to Brunswick; very uniform; flat to drumhead shape; short stem; matures about the same time as Wisconsin All Seasons. Fkt., 10c; oz., 40c; 1/4 lb., \$1.00; lb., \$3.50.



Chinese Cabbage

Also Known as Celery Cabbage.

Cool weather is necessary to have success in growing Celery Cabbage. In the vicinity of St. Louis it should be sown about the first of August. Plant the seed one-half inch deep in rows 24 inches apart. When the plants reach a height of 5 inches, thin out to about 10 inches apart. Chinese Cabbage may be served as a salad; delicious when boiled like ordinary Cabbage.

Wong Bok (60 days). This is really the best variety of Chinese Cabbage for you to plant. It produces rather short, broad heads with leaves that are well blanched and tightly folded. Wong Bok is self-folding and the heads need no tying up or blanching.

Pkt., 10c; 0z., 30c; ½ 1b., 90c; 1b., \$3.00.

Select Cabbage Plants

We can supply first class Cabbage plants grown from our selected strain of Copenhagen Market, Jersey Wakefield, Golden Acre and All Seasons varieties. 25 for 25c; 100 for 75c; 1000 for \$6.50, postage extra.

Frost Proof Cabbage Plants

May be planted earlier than home grown plants without danger of being killed by frost. Copenhagen Market, Charleston Wakefield and All Seasons. 100 for 50c; 1000 for \$3.50, postage extra.

Carrot Collections

An assortment of three fine varieties of Carrots, CHANTENAY, DANVERS HALF-LONG, NANTES

206 One packet each of the three varieties,

1es, \$0.25

.50

Palmer's Garden Carrots

One ounce will plant 100 feet of row; 3 to 4 pounds will plant an acre. DIRECTIONS FOR PLANTING. Will do well in all soils, although a deep, sandy loam, well manured, will produce the best Carrots. Sow in rows 12 to 15 inches apart and cover with one inch of soil, thinning to 2 or 3 inches apart.

Rubicon Half-long (60 days). An excellent early half-long stump-rooted variety possessing a deep rich orange color, medium sized tops and small neck. The roots are thick at the shoulder, averaging 3 inches in diameter and 5 to 6 inches in length. Grown extensively for bunching. A popular sort among market gardeners. Fkt., 10c; oz., 20c; 14 1b., 50c; lb., \$1.25; 5 lbs., \$5.50.

Chantenay (60 days). The quality of this Carrot is marvelous. When fully matured the deep golden orange roots measure 6 inches long and 2½ inches in diameter, stump-rooted but slightly tapering at the botton. It has a beautiful appearance and the quality is very crisp and tender. A good Carrot for the home garden and a profitable one for market gardeners. Fkt., 10c; oz., 20c; ½ 1b., 50c; lb., \$1.25; 5 lbs., \$5.50.

Danvers Half-Long (Special Strain). (75 days).

Commands approval wherever planted. It has a handsome orange-red color and the smooth roots taper to a blunt point. It is principally grown for a late main crop and produces more to the acre than many of the larger varieties. The roots are about 6 inches long and about 2½ inches in diameter at the crown. A favorite with both diameter at the crown. A favorite with both amateur and professional gardeners. **Pkt.**, 5c; 0z., 15c; ½ 1b., 35c; 1b., 90c; 5 1bs., \$3.50.

Oxheart or Guerande (70 days). The roots are about 2½ inches in diameter at the top. The color is a light bright orange and the quality is delicious. A good Carrot for heavy, stiff soil where longer varieties will not do well. Fkt., 5c; cz., 15c; ¼ 1b., 35c; 1b., 90c; 5 1bs., \$3.50.

Improved Long Orange (75 days). An excellent variety producing roots about 12 inches long and 3 inches broad at the crown. They are uniform in size, smooth, tapering gradually, and of rich deep orange colored flesh. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., 90c; 5 lbs., \$3.50.

Nantes Half-Long Scarlet Stump-Rooted (65 days). some blunt-ended sort with roots 6 to 8 inches long, smooth and of bright orange color. Stumprooted, does not taper, and is blunt at the end. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., 90c; 5 lbs., \$3.50.

Intermediate or St. Valery (75 days). Intermediate or St. Valery (75 days). Intermediate half-long varieties, having a broad top and tapering to a point. Bright red color and small top. Fkt., 5c; oz., 15c; 1/4 lb., 35c; lb., 90c; 5 lbs., \$3.50.



Palmer's Peerless Snowball Cauliflower.



Half-Long



Improved Long Orange Carrots.

Carrots for Stock Feeding 4 pounds will plant an acre.

DIRECTIONS FOR PLANTING. Plant in May or June, sowing the seed in drills 3 feet apart. Thin out to stand 6 inches apart in the row.

Large Yellow Belgian (90 days). A mammoth yellow sort and very productive. The roots grow 12 to 16 inches long, very thick, and grow about one-third above the ground. This is considered by stock feeders to be the most nutritious variety. Fkt., 5c; oz., 10c; ¼ 1b., 25c; 1b., 75c; 5 1bs., \$3.00.

I a mer's Superb Cauliflower Seed

One ounce will produce about 3000 plants; 1/4 lb. will plant an acre.

DIRECTIONS FOR PLANTING. Rich, moist soil and an abundance of water are necessary for Cauliflower. Heavy manuring and high culture will prove very profitable. Start the seed in a hotbed in January or February. Transplant into a cold frame 2 or 3 inches apart each way until safe for transplanting outdoors. When weather is right set in field 2 to 2½ foot seed way. To be a propose a continuous and register to the continuous and regis sate for transplanting outdoors. When weather is right set in field 2 to 272 feet each way. To keep up a continuous and rapid growth use nitrate of soda cautiously, working it in around the plant and not allowing it to come in contact with the foliage. When the flowers are heading, tie up the outside leaves loosely over the head to protect it from the sun. For late Autumn crop sow seed in June and transplant in July.

Try This New Cauliflower

Palmer's Peerless Snowball (90 days). Unquestionably the earliest maturing strain of the snowball type, over which it is an improvement, indeed. Matures about 8 days earlier. Of dwarf, compact habit and is remarkable for its extreme earliness and the certainty of producing its finely grained, firm, pure snowy white, large heads, of finest quality. The best strain for forcing and wintering over and especially adapted for very critical market gardeners. Better than any other type of Snowball. Pkt., 15c; ½ 02., \$1.75; 02., \$3.00; ½ 1b., \$10.00.

Extra Early Dwarf Erfurt (95 days). Before the introduction of Palmer's Peerless Snowball, Extra Early Dwarf Erfurt was our leading early variety. Very fine short-stem sort, producing large, compact heads free from blight. One of the best kinds. We import this strain from Germany and have always been complimented on its superior qualities. Fkt., 15c; ½ oz., \$2.50; oz., \$4.00; ¼ 1b., \$15.00.

Palmer's Self-Protecting (100 days). Similar to Dry Weather. This variety has the peculiar habit of protecting the flowers from the light by growing its inner leaves closely over them. Comparative trials have proved that this type stands the heat even better than Dry Weather. It has all the desirable qualities to which an all-around Cauliflower should answer. Pkt., 15c; ½ oz., \$1.50; oz., \$2.00; ¼ 1b., \$7.00.

Select Cauliflower Plants

Grown from our best Snowball and Early Erfurt seed. Doz., 15c; 4 doz., 50c; 8 doz., \$1.00, postage extra.

Georgia Collards.

Palmer's Celery Seed

One ounce will produce 3000 plants; 1/4 lb. will plant an acre.

DIRECTIONS FOR PLANTING. Celery may be started early in cold frames or indoor boxes, or, when the weather becomes warm, plant outdoors in rows 8 to 10 inches apart, covering the seed one-half inch. When plants are advanced, thin out to 5 or 6 inches apart until ready for transplanting into trenches. In July set the plants in shallow trenches 3 feet apart, plants 6 inches apart in the row. Draw the earth around plants gradually to blanch, but avoid getting dirt into the heart and do not work while wet.

New Golden Plume (105 days). This new introduction is unquestionably the outstanding Celery on the market. It is a new type selected from Golden Self-Blanching, fully a week earlier, producing a semi-dwarf plant of vigorous growth. It has wider leaves, thicker stems, and a full heart that bleaches quickly to a rich golden yellow. More resistant to blight and rust. The quality and appearance of Golden Plume will make a hit with anyone who plants it. Fkt., 10c; 02., 75c; 1/4 lb., \$2.50

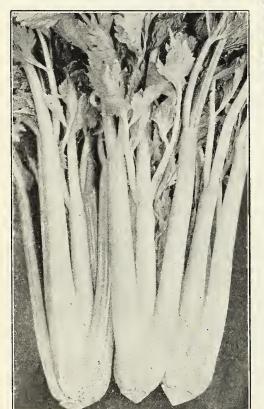
Golden Self-Blanching (110 days). This excellent dwarf to medium vamarket gardeners and home gardeners. It grows 18 to 20 inches in height and produces large bunches with broad, heavy stalks and delicately rich flavor. Splendid keeper. Our selected strain of Golden Self-Blanching has never failed to satisfy its users, which is due to the fact that our grower puts the best of his efforts behind its culture. Pkt., 10c; oz., 50c; 1/4 lb., \$1.50; lb., \$5.00.

Sanford's Easy Blanching (115 days). One of the earliest varieties to mature and the easiest and quickest to blanch. The plants are exceptionally strong and stocky, with bright rich green foliage, the inner leaves showing a slight tinge of yellow. Its especially tender stalks are sweet and crisp and in appearance it ranks among the most attractive. Fkt., 10c; oz., 40c; 1/4 lb., \$1.25; lb., \$4.00.

White Plume (110 days). This is recognized everywhere as the best wnite Celery. It has a vigorous habit of growing and its large, uniformly white stalks are crisp and tender. Not only does the stem whiten, but the leaf itself, especially the inner leaves. While it is not recognized as a keeper it is highly prized for

ommended as a keeper it is highly prized for early use and has excellent marketable qualities. Pkt., 10c; oz., 25c; ½ 1b., 75c; lb., \$2.75.

Flavoring Celery Used by all good housewives for favoring soups, pickles, etc. 0z., 10c; ¼ 1b., 25c; 1b., 75c.



Sanford's Easy Blanching Celery.



Celeriac or Turnip Rooted Celery

DIRECTIONS FOR PLANTING. The roots are the edible portion of this vegetable. The roots may be used boiled, or for flavoring soups and stews. Also cooked and silced as a salad. Start stews. Also cooked and sliced as a salad. Start the seed indoors in boxes and transplant to moist, rich soil in rows 2 feet apart, allowing 6 inches between each plant. Receives the same common treatment as celery. Roots are ready for use when 2 inches in diameter. They can be stored for Winter by packing in sand and storing in a cool cellar, or they may be left outdoors if covered with earth or straw for protection.

Giant Prague (120 days). The best variety of Celeriac reaching a length of 14 inches and diameter of 2 inches. Sweet, tender and very pleasantly flavored. Pkt., 5c; oz., 25c; 1/4 1b., 75c; 1b., \$2.50.

Chicory

One ounce will plant 100 ft. of row; 4 lbs. will plant an acre.

DIRECTIONS FOR PLANTING. Chicory produces best results in a light, DIRECTIONS FOR PLANTING. Chicory produces best results in a light, rich soil. Cultivate like carrots and parsnips. Sow the seed in May or June in rows 2 ft. apart and cover firmly with ½ inch of soil. When plants are sufficiently large, thin out to 6 inches apart in the row, and cultivate well. About the end of October dig up the roots, which will average 10 to 12 inches long and 3 inches in diameter at the crown. Cut the tops off within an inch of the crown and trim the roots at the base to an even length of about 6 or 8 inches. Fack them upright in a box with 2 inches of soil at the bottom and cover with 6 inches of sand or light earth. Water about once a week. The sprouts will be ready for use in 5 or 6 weeks. If grown for market the roots may be planted outdoors in trenches and forced like rhubarb or asparagus. rhubarb or asparagus.

Witloof (Also known as French Endive), (150 days). Used in increasing quantities each year as a salad. Forms leaves like Cos lettuce, but its beautiful creamy white sprouts have a flavor not found in ordinary lettuces. Considered a rare delicacy and usually found only in the best hotels and restaurants, but can easily be grown in the home garden.

Pkt., 10c; oz., 35c; 14 lb., \$1.00; lb., \$3.50.

Southern Collards

Georgia or Southern (45 days). A member of the cabbage family producing an enormous quantity of large cabbage-like leaves that are cooked and served as "greens." Sow the seed in rows 2 feet apart early in the Spring, and later thin out extensively throughout the South.

Pkt., 5c; oz., 10c; ½ lb., 35c; lb., \$1.00.



Palmer's Tested Seed Corn

DIRECTIONS FOR PLANTING. Any good garden soil will produce fine corn. Plant after all danger of frost is over in hills 3 feet apart, dropping 4 to 5 grains to the hill; thin out to 3 best plants. For succession plant every 2 weeks up to July 15th.

Best Early Varieties

Golden Bantam (60 days). An extra early favorite for the home gardener and the margolden yellow color, 6 to 7 inches long and have a rich, sweet, butter-like flavor. The plants reach a height of about 5 feet and usually produce two ears with 8 rows of broad, deep kernels each. To particular people who want the most delicious of all Sweet Corn we recommond Golden Bantam without hesitancy. Pkt., 10c; ½ 1b., 20c; 1b., 30c;

Barden's Wonder Bantam (60 days). New. Combines the matchless sweetness and color Early Wonder, being a cross between the two. It is an 3-rowed corn with beautiful golden yellow ears measuring 8 to 10 inches long, and set upon a more sturdy stalk from 5 to 6 feet high. Critical gardeners have long been looking for a Bantam Sweet Corn with these improved qualities. One Ohio Sweet Corn canner reports that Barden's Wonder Bantam produced one-third more tonnage per acre than any other Bantam Corn they have ever grown. This new introduction has our heartiest endorsement and we want all of our customers to try it this season. Pkt., 10c; ½ lb., 20c; lb., 35c; 10 lbs., \$2.75; 25 lbs., \$6.00.

Howling Mob (65 days). A fine, large-eared sort for either home gardens or market. It is one of the best flavored and most tender of all early varieties. Its ears measure from 7 to 9 inches in length and are closely set with 12 to 14 rows of large, white grains. It is a vigorous grower, very productive, and makes an excellent marketable crop immediately following Golden Bantam. Pkt., 10c; ½ 1b., 20c; 1b., 30c; 10 lbs., \$2.00; 25 lbs., \$4.00.

Mammoth White Cory (65 days). One of the very earliest and the best of all early, white, Sweet Corns. The ears are 10- to 12-rowed, 7 to 8 inches long, and possess a sweet delicious flavor. Pkt., 10c; ½ 1b., 20c; 1b., 30c; 10 1bs., \$2.00;

1b., 25c; 10 lbs., \$1.50; 25 lbs., \$3.75.

Adams' Early (65 days). Not a sweet corn. However, it is grown extensively all over the country for market. Similar to Extra Early Adams, but 2 weeks later. Ears are about 8 inches long, 12 to 14 rows and of a fair quality. Pkt., 10c; ½ 1b., 15c; lb., 25c; 10 lbs., \$1.50; 25 lbs.,

Palmer's Early Table (60 days). This is our special extra early table corn, which can be planted early while the ground is still cool and moist. While it is not a real sugar corn it is a valuable substitute and grown extensively for early market by commercial growers. Ears are longer than Adams' Early. Pkt., 10c; ½ lb., 20c; lb., 30c; 10 lbs., \$2.00; 25 lbs., \$4.00.

Best Medium Early Varieties

Country Gentleman (Shoe Peg). (70 days). This old reliable sort is always in demand by people who like good Corn. The ears are large with long, slender, white grains and a small cob. Has a delicious, sweet, tender and milky quality and "stays in the milk" longer than most varieties. Ears 7 to 8 inches long. Pkt., 10c; ½ 1b., 20c; 1b., 30c; 10 lbs., \$2.00; 25 1bs., \$4.00.

Golden or Bantam Evergreen (70 days). A cross between Well's Evergreen, and indeed a most excellent sort of fine quality. The golden yellow colored ears are 8 inches long, bearing 12 to 14 rows of broad, deep, and deliciously sweet kernels. This comparatively new corn is a winner and is acclaimed everywhere for its Stowell's Evergreen size and Golden Bantam quality. 1/2 lb., 20c; 1 lb., 35c; 10 lbs., \$2.25; 25 lbs., \$5.00.

Farly Evergreen (70 days). This variety resembles Stowell's Evergreen but matures 10 days earlier. Produces very large ears with deep narrow grains which are tender and sweet. The ears are slightly slimmer and shorter than Stowell's. 14 rows of grain to the ear. Pkt., 10c; ½ 1b., 20c; 1b., 30c; 10 pounds, \$2.00; 25 lbs., \$4.00.

Best Late Varieties

Stowell's Evergreen (80 days). This famous variety is the standard and best known Sweet Corn on the market. It produces large ears, 8 to 9 inches long, and usually having 16 to 18 rows of very deep, sweet kernels. The delicious flavor of this corn immediately commands approval and it has the advantage of keeping better than other varieties. Pkt., 10c; ½ 1b., 20c; 1b., 30c; 10 lbs., \$2.00; 25 lbs., \$4.00.



Black Mexican (75 days). Well known and a favorite in many sections. The kernels have a bluish tinge when ready to eat, later turning to black. It is one of the sweetest varieties in cultivation and produces ears 8 inches long and having 8 rows of kernels. Pkt., 10c; ½ lb., 20c; lb., 30c; 10 lbs., \$2.00; 25 lbs., \$4.00.

Pop Corn

One ounce will plant 40 feet of row; 4 lbs. will plant an acre in rows.

DIRECTIONS FOR PLANTING. Sow the seed early in the Spring in rows about 3 feet apart. Cover the seed 2 to 3 inches and thin out later, leaving the plants 10 to 12 inches apart in the row. Japanese Hulless (130 days). This variety is in most demand now because of its crisp,

tender and flaky texture when popped, and principally because it is absolutely free from hulls. The seed is smaller than White Rice and longer in shape. Ears shorter. Pkt., 5c; ½ lb., 15c; lb., 25c; 10 lbs., \$1.70.

White Rice (140 days). The old standard variety, but not the most popular since the introduction of Japanese Hulless. The ears of White Rice are long and the kernels larger and rounder. Pkt., 5c; ½ lb., 15c; lb., 25c; 10 lbs., \$1.60.

"Little Wonder" Electric corn white, ten-corn Popper der and flaky.

Japanese Hulless Pop Corn.



Palmer's Wondergreen Cucumber

The Newest Cucumber Sensation on the Market

(See color picture on front cover).

1927 proved the real value of Wondergreen. It was raised with great success by many Missouri and Illinois market gardeners, and we are now offering it to our customers in every state in the Union. We hope you will be quick to accept the opportunity Wondergreen offers you to make greater profits out of your Cucumber crop in 1928.

IT WILL STAY GREEN! Palmer's Wondergreen is the earliest of the White Spine types, producing a tremendous yield of fruit 7 to 8 inches long, cylindrical in shape, and of a rich dark green color. In productiveness, flavor, appearance and all around good quality it cannot be surpassed. In addition to these very desirable qualities its outstanding point is that IT WILL STAY GREEN longer than any other variety. This makes it valuable for long distance shipping and general market use. We recommend it very highly to market gardeners who are looking for a Cucumber that will pay better.

HERE'S WHAT THEY SAY ABOUT WONDERGREEN

Charles Lindemann, Florissant, Missouri: "When seed time comes we will want some of your Wondergreen Cucumber. Planted it this year and never had a better crop. The Cucumbers sure looked fine and brought a good price."

J. Schneider, Chesterfield, Missouri. "Your Wondergreen Cucumber is the best I ever used. The color and size were perfect and they made an enormous yield. For market I have never found a better variety. I am sure glad I took your advice." advice.

Fred Barth, High Bidge, Missouri: "I planted your Wondergreen Cucumber this season and was certainly surprised with the crop. They were just the right size and held their color better than any I have ever seen. I found it a big cropper, too, and it produced very few culls—almost every Cucumber was marketable at a good price. I'm planting it again next year."

GET IN ON SOMETHING GOOD—PLANT PALMER'S WONDERGREEN CUCUMBER THIS YEAR.

Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., \$1.25; 5 lbs., \$5.00

Palmer's Select Cucumbers one ounce will plant 50 hills; 2 lbs. will plant an acre.

DIRECTIONS FOR PLANTING. Cucumbers thrive best in a rich. sandy soil, but do well in any good garden soil, especially if fertilsandy soil, but do well in any good garden soil, especially if fertilized. Plant as soon as the weather permits, in hills about 4 feet apart each way, placing 10 to 12 seeds to a hill and covering with one-half inch of soil. Thin out to 3 or 4 strong plants to a hill. If a succession is wanted, sow every 10 or 15 days up to July 1st. For pickles sow from June 15th to July 1st. Always pick Cucumbers as they reach full size, else they lower the productivity of the vine.

Note. As soon as bugs appear, start dusting with Sodium Fluosilicate, mixed 1 lb. to 5 lbs. hydrated lime.

Davis Perfect (50 days). An excellent Cucumber for both outdoor use and for indoor forcing. Its distinguishing features are length, slimness, beautiful dark green color and its delicious flavor and crispness. The fruits measure 7 to 9 inches long and 7 inches in diameter in the middle, slightly tapering at both ends. It resists blight better than others. Pkt., 5c; oz., 15c; ¼ 1b., 40c; 1b., \$1.00; 5 1bs., \$4.50.

Improved London Long Green (65 days). A selection from the standard sort. The fruits are 12 to 14 inches long, with a deep green skin and solid, crisp flesh. The young Cucumhers make excellent pickles. Turn yellow at maturity. Pkt., 5c; oz., 15c; ½ 1b., 40c; 1b., \$1.25; 5 lbs., \$5.00.

Arlington White Spine (55 days). This Cucumber is a beautiful, uninches long. It grows straight and has a rich, dark green color. It sfirm, tender and has a delicious flavor. A prolific producer and a surpassing market variety. Pkt., 5c; oz., 15c; ½ 1b., 35c; 1b., 95c; 5 lbs., \$4.25.

Klondike (60 days). A medium early, dark green strain of White Spine. Fruits are very attractive, rather thick and short, tapering abruptly at both ends. Holds its color well but only fairly productive. The average size is 6 to 7 inches long and about 2½ inches in diameter. Pkt., 5c; oz., 15c; ¼ 1b., 35c; 1b., 95c; 5 lbs., \$4.25.

Early Fortune (55 days). Thousands of gardeners consider Early Fortune the finest type of White Spine ever produced. It is an early sort, growing fruits that are 9 inches long and 2½ inches in diameter. It has a fine dark green color which it retains a long time after picking. The flesh is firm and crisp and flavor most delightful. It is vigorous and very productive, and surprisingly resistant to disease. Pkt., 5c; oz., 15c; ¼ 1b., 35c; 1b., 95c; 5 lbs., \$4.25.

Japanese Climbing (60 days). A distinct climbing variety for growing on fences and trellises. Produces crisp, fine quality Cucumbers measuring 10 inches long. Dark green color that turns brown when ripe. Used as an ornamental as well as for table.

Fkt., 5c; oz., 15c; 1/4 lb., 40c; lb., \$1.25; 5 lbs., \$5.00.



Early Green Cluster Pickling Cucumbers.

Extra Long Evergreen White Spine (55 days). Similar to Davis Perfect in appearance but somewhat thicker. The fruit is straight, well formed, measuring 10 to 12 inches long and about 2½ inches thick, and of a beautiful dark green color. Very nandsome. It is a big yielding sort, resists blight where others fail, and is particularly desirable for shipping to distant points. Holds its color. Pkt., 5c; 02., ping to distant points. Holds its (15c; 1/4 lb., 35c; lb., 95c; 5 lbs., \$4.25.

Chicago Pickling (Westerfield's). (60 days). Many prebecause of its uniform size, color and shape. The fruits measure about 6 inches long at maturity and about 2½ inches in diameter. Very productive. Pkt., 5c; oz., 15c; ½ 1b., 35c; 1b., 95c; 5 lbs., \$4.25.

Early Green Cluster Pickling (50 days). Very early and pickles. The fruits are small, short and chunky and grow in clusters in the center of the plant. Size about 5 inches long and 2½ inches thick when full grown. Color light green. Pkt., 5c; oz., 15c; ½ 1b., 35c; 1b., 95c; 5 lbs., \$4.25.

Small Gherkin (Burr). (80 days). A small burr-covered variety used exclusively for pickles. Color shape. Pkt., 5c; oz., 15c; ¼ 1b., 45c; 1b., \$1.50; 5 lbs., \$6.00.

Corn Salad.

Black Beauty Eggplant.

Palmer's Eggplant

One ounce will produce 1000 plants.

DIRECTIONS FOR PLANTING. Start the seeds in a hotbed during February, using a light, rich soil. If no hotbed is available, use an indoor box placed by a window reached by sunlight. When the weather becomes warm and settled, transplant in the open so the young plants stand 2 to 2½ feet apart each way.

New York Improved Purple (130 days). A beautiful large, oval, deep purple variety grown more extensively than any other sort. Its distinguishing features are that it is entirely spineless and produces from 6 to 8 fruits of a wonderful quality. The plant is low-growing with a vigorous branching habit. Pkt., 10c; oz., 40c; ¼ 1b., \$1.50; 1b., \$5.00.

Black Beauty (120 days). The earliest and best, coming in about 10 days ahead of New York. It is a prolific producer of large fruits that are perfectly spineless and smooth. It has a beautiful rich purple color and the quality is exceptional. Bears continuously until frost. Pkt., 10c; oz., 40c; 1/4 1b., \$1.50; 1b., \$5.00.

Dandelion

Cultivated for Spring greens. The variety we offer is deep green in color and has thick leaves of fine quality. Sow the seed in rows 18 inches apart. When the plants have a good start thin out to 5 inches apart and cultivate thoroughly.

Seed sown in the Fall will produce plants for use the following Spring. Seed sown in the Spring will not produce plants for use until the next season. Pkt., 10c; oz., 25c; 1/4 lb., 75c; 1b., \$2.50.

Chervil

The leaves are used for flavoring and garnishing the same as parsley. Sow the seed in the Spring in well prepared ground, making the rows 1 foot apart. Cultivate like parsley. Pkt., 5c; oz., 25c; ¼ 1b., 80c; 1b., \$2.75.



One ounce will plant 100 ft. of row. 5 lbs. will plant an acre.

DIRECTIONS FOR PLANTING Sow the seed in rich soil at the first opening of Spring in rows 1 foot apart and cover with ½ inch of fine soil. Thin plants to 6 inches apart in the row. For Winter and early Spring use sow in drills during August and September.

Large Broad-Leaved (42 days). A hardy Winter salad, the leaves being much used in the Winter in place of lettuce. Very appetizing. Pkt., 5c; oz., 10c; 14 1b., 30c; 1b., 85c.

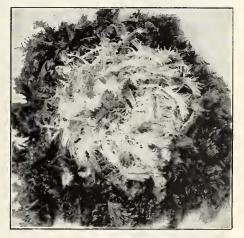
Cress

One ounce will sow 200 feet of row.

DIRECTIONS FOR PLANTING. For outdoor culture sow the seed in rows one foot apart as soon as ground can be worked. For greenhouse culture sow very thickly in rows 3 to 6 inches apart under glass during the Winter, or in frames,

Extra Curled Cress or Peppergrass (20 days). This sort grows very quickly and curled and have a desirable pungent taste, often being served with lettuce. Pkt., 5c; oz., 10c; 1/4 lb., 30c; lb., 90c.

Water Cress (40 days). This is a hardy plant and must be grown along the edge of a shallow running stream or pond of fresh water. Seeds should be started in a box of moist earth and the plants set out in the water when they are well advanced, after which they will grow without further care. Also used as a salad. Pkt., 10c; oz., 35c; ½ 1b., \$1.00; 1b., \$3.50.



Green Curled Endive.

Palmer's Endive

One ounce will plant 200 feet of row; 3 lbs. will plant an acre. DIRECTIONS FOR PLANTING. Endive will thrive in any good garden soil. Sow the seed for early use about April 15th in rows about 1½ feet apart covering the seed lightly. When the plants are 2 or 3 inches high thin out or transplant to about 1 foot apart. Before gathering blanch for about 3 weeks to make them crisp and tender. For a Fall crop sow in June and July.

Broad-Leaved Batavian

(Escarolle). (45 days). One of the best varieties for salads. The bright green leaves are large and broad, more or less twisted and waved, with nearly white mid-ribs. The inner leaves make a well rounded head which bleaches white. While its principal use is for salads, it can also be boiled and eaten like spinach. Heads measure 16 inches in diameter. Pkt., 5c; 0z., 15c; ¼ 1b., 45c; 1b., \$1.50.

Green Curled (40 days). Furnishes an attractive and appetizing salad for the Fall and Winter months. This variety is the most hardy and vigorous of any. The leaves are fine cut, giving the plant a feathery moss curled appearance. The piquant flavor and tender crispness of Green Curled are relished by all who have tried it. Heads average 15 inches wide. Pkt., 5c; oz., 15c; ½ 1b., 45c; 1b., \$1.40.

White Curled (35 days). A very handsome sort with leaves finely curled or mossed, and light green in color. It blanches easily and the crisp, tender leaves are truly delicious. Pkt., 5c; oz., 15c; ¼ 1b., 45c; lb., \$1.40.

Select Horseradish Roots

Horseradish is worthy of a place in any garden. The small sets or roots are planted in the Spring and will produce large, straight roots for use the same season. Roots may be left in the ground all Winter without damage, and dug as needed. Plant the roots as early in the Spring as possible in rows 3 feet apart allowing 12 to 15 inches between plants in the row. Cultivate like potatoes. 25 for 35c; 50 for 60c; 100 for \$1.00; 1000 for \$6.50.

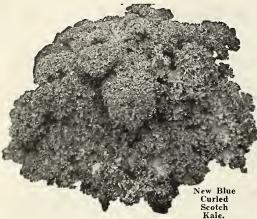
102 Cucumber Collection

EARLY FORTUNE

BOSTON PICKLING

PALMER'S WONDERGREEN

One packet each of these three excellent varieties, 25c value 30c, will be mailed to you, postpaid, for



Palmer's Kale Seed

One ounce will sow 200 feet of row; 4 pounds will plant an acre broadcast.

DIRECTIONS FOR PLANTING. Any good garden soil will grow kale successfully. For Spring crops sow the seed in August and September and cover with straw for the Winter. For a late Fall crop sow the latter part of June. The general method is to broadcast but the seed may also be sown in rows 1 to 1½ feet apart and covered firmly with ½ inch of soil. When the plants are large enough thin out to about 18 to 24 inches between each

New Blue Curled Scotch (Dwarf Norfolk Strain). (50 days). The plant of this fine kale is low and compact, and of a spreading

habit. The attractive leaves are finely curled and have a rich bluish green color. It is extremely hardy and is tender and delicately flavored. This is the Kale we have been wanting to sell for a long time but could not get the right strain until this season. A wonderful sort for the commercial grower. It is the earliest of all. Pkt., 10c; 0z., 15c; ½ lb., 50c; lb., \$1.50; 5 lbs., \$6.00.

Dwarf German Green or Siberian (60 days). We consider our strain of this excellent variety far superior to the average sold under the name of Dwarf German Green. Our customers make hundreds of good reports about it each year. It is a low growing, vigorous sort, of spreading habit. The leaves are large and beautifully curled and have a bluish green color. For hardiness and productiveness we can give this variety our highest recommendation. Much in demand for both Spring and Fall 10c; ½ lb., 25c; lb., 65c; 5 lbs., \$3.00.

sowing. Pkt., 5c; oz., 10c; 1/4 lb., 25c; lb., 65c; 5 lbs., \$3.00.

Tall Green Curled Scotch (60 days). The plants grow to a height of about 3 feet, producing long, finely curled and handsomely fringed leaves of green color. Resembles ostrich plumes very much. A hardy variety and very productive. Pkt., 5c; oz., 15c; ½ lb., 25c; lb., 75c; 5 lbs., \$3.50.

Ostrich Plume or Semi-Dwarf (60 days). An extremely popular variety for the market gardener. Plant is low and compact but has large, bright, deep green leaves that are curled, cut and crimped until the whole plant resembles an ostrich plume. Grows not over 12 inches high. Pkt., 5c; oz., 10c; ½ 1b., 25c; 1b., 75c; 5 lbs.,



Early White Vienna Short Top Kohl-rabi,

Fresh Herb Seed

Most herbs thrive best in sandy soil. It should be carefully prepared and cultivated as the young plants are delicate and easily crowded out by weeds. Sow as early as ground can be worked in rows 16 to 18 inches apart, making sure soil is fine and pressed firmly over seed. Most herbs should be cut when in bloom, wilted in the sun, and thoroughly dried in the shade.

ANISE. (Annual). Used for garnishing and flavoring and also for medicinal cordials. Pkt., 10c; oz., 20c.

BALM. Used for making Balm Tea and Balm wine. Pkt., 10c; oz., 50c.

BASIL, Sweet. (Annual). The leaves soups and sauces. Pkt., 10c; oz., 20c. The leaves are used for flavoring

BORAGE. (Annual). Used as a pot herb and for bee pasturage. Leaves are used in salads. Pkt., 10c; oz., 15c; 1/4 lb., 50c; lb., \$1.50.

CARAWAY. (Annual.) The leaves are used to flavor soups and liquors, and the seeds for flavoring cakes, pastry, etc. Pkt., 10c; oz., 15c.

CATNIP or CATMINT. (Annual). Grown for bee pasturage

and for flavoring foods. Fkt., 10c; oz., 60c.

CORIANDER. (Annual). The seeds are used in confectionery and to disguise the taste of medicines. Fkt., 10c; oz., 20c.

DLL. (Annual). The leaves are used for flavoring soups, sauces, etc., and for making pickles. The seeds are also used for secretary and for making pickles.

sauces, etc., and for making pickles. The seeds are also used for seasoning. Possesses some medicinal properties. Pkt., 10c; oz., 15c; ½ 1b., 35c; 1b., \$1.00.

FENNEL, Sweet. (Perennial). The leaves are used for flavoring and garnishing and the seeds are used in confectionery. Also in various medicinal preparations. Pkt., 10c; oz., 20c.

FENNEL, Florence. (Annual). An excellent salad plant and is also used boiled. Pkt., 10c; oz., 20c.

HOREHOUND. (Perennial). Leaves used in the preparation of cough medicines and for flavoring. Pkt., 10c; oz., 30c.

HYSSOP. (Perennial). Used in the manufacture of teas for medicinal purposes. Pkt., 10c; oz., 30c.

LAVENDER. (Perennial). The leaves are occasionally used for seasoning, but the flowers are used in perfumes. Pkt.,

for seasoning, but the flowers are used in perfumes.

for seasoning, but the flowers are used in perfumes. Pkt., 10c; oz., 30c.

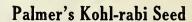
MARJORAM, Sweet. (Annual). Leaves are used for flavoring broths, dressings, etc. Pkt., 10c; oz., 25c.

ROSEMARY. (Perennial). Leaves are used for meats and medicinal drinks. Pkt., 10c; oz., 35c.

PEPPERMINT. (Perennial). The leaves and stems are used for flavoring and for making peppermint extracts. Pkt., 25c.

SAGE. (Perennial). Used extensively for seasoning and also believed to possess medicinal properties. Pkt., 10c; oz., 25c; ½ lb., 90c; lb., \$1.50.

SUMMER SAVORY. . (Annual). The dried stems, leaves and flowers are used for seasoning. Pkt., 10c; oz., 20c.



One ounce will plant 200 feet of row; 3 pounds will plant an acre.

3 pounds will plant an acre.

DIRECTIONS FOR PLANTING.

Kohl-rabi succeeds in a rich loam soil and responds quickly to good cultivation. Sow in Spring in rows about 12 to 18 inches apart, covering seed firmly about ½ inch. When reasonably advanced thin out to stand about 6 inches apart. Or start seed in hotbeds about February 15th and transplant in the open when the weather is safe. For Fall use sow the latter part of July.

Early White Vienna Short Top

Early White vienna Duvit rep (50 days). Very select, extra early variety with short tops. Bulbs me-dium size, of delicious flavor resem-bling both turnips and cabbage, and the desh is crisp and tender. Pkt, the flesh is crisp and tender. P: 10c; oz., 25c; ¼ 1b., 65c; 1b., \$2.25.

Early Purple Vienna Short Top

(60 days). Resembles White Vienna in flavor and quality, but matures a few days later and is more resistant to heat. Leaves and stems purplish; root purplish with white flesh. Pk 10c; oz., 25c; ½ lb., 65c; lb., \$2.25. Pkt.,

KOHL-RABI PLANTS WHITE VIENNA SHORT TOP. 25 for 15c; 100 for 80c.

TARRAGON. (Perennial). The leaves, fresh or dried, are used in preparing pickles, vinegar, etc., and for flavoring foods. Pkt., 25c.

(Perennial). Used for seasoning and for making tea to relieve nervous headaches. Pkt., 10c; oz., 50c.

WORMWOOD. (Perennial). Leaves used as a tonic and as a dressing for bruises. Also planted in poultry yards. Pkt., 10c; oz., 30c.



Rosemary.



Sage.



Dill.

Palmer's Quality Lettuce Seed

1 cunce will plant 125 feet of row; 100 square feet broadcast, or produce about 3000 plants. 2 to 3 pounds will plant an acre in rows.

DIRECTIONS FOR PLANTING. A good soil for lettuce is one mixed with well-rotted stable manure. Sow the seed as soon as ground can be worked in rows 1 ft. apart for hand cultivation; 20 inches apart for horse cultivation. When plants are reasonably advanced thin out so they stand 8 inches apart for heading. For early varieties sow the seed in hotbeds about March 15th and transplant when seedlings are about 2 inches high in cold frames, setting the plants 4 inches apart each way. Transplant to the garden about May 1st. For Fall crop sow in July and August.

Palmer's No. 20 (40 days). An early, medium sized variety forming handsome, compact heads. It has a very attractive appear-pearance, excellent quality and forms leaves that are crumpled and blistered. The inner head blanches a rich, buttery yellow. Heads mature quickly. Market gardeners find this a profitable variety for early sowing, both in hotbeds and in the open ground. Pkt., 5c; oz., 15c; 1/4 lb., 50c; lb., \$1.75.

Selected Big Boston (45 days). The most popular lettuce for outside culture as well as cold frame forcing. Produces large compact heads with smooth broad leaves, waved at the edge, and crisp. The leaves have a bright green color, slightly tinged with brown on the margins. Big Boston is used more for market and shipping than any other lettuce, being a specialty with southern growers who ship North. We have an exceptional strain of this quality lettuce. Pkt., 5c; oz., 15c; ½ 1b., 50c; 1b., \$1.50.

New York Wonderful (Also known as Los Angeperior lettuce are closely folded and grow to an enormous size, sometimes 15 inches in diameter.

enormous size, sometimes 15 inches in diameter.
The outer leaves tightly overlap
and have a rich dark green color,
while the inner portion is beautifully blanched, the quality being
crisp and tender. Best adapted
for a main summer crop
and for shipping. It is
a sure header will resist

and for shipping. It is a sure header, will resist hot, dry weather and will stand a long time without going to seed. We recommend New York Wonderful very highly for home gardeners and market gardeners. Pit., 5c; oz., 20c; ½ 1b., 75c; 1b., \$2.00.

Trianon Cos or Romaine

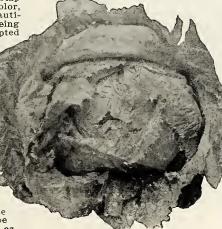
(55 days). The finest of the Cos or blanching varieties. Heads solid, with long narrow leaves that blanch snowy white. Blunt at the top. When blanched the stalks are firm and may be eaten like celefty. Pkt., 5c; oz., 15c; ¼ 1b., 50c; 1b., \$1.50.



Palmer's No. 16.



Trianon Cos or Romaine.



Palmer's Black-Seeded Forcing.

Improved Hanson (45 days.) One of the most reliable, sure-heading sorts, of clear light green color. Excellent for summer planting. The large heads are almost globular. The leaves are large and broad, fairly blistered and crumpled with frilled edges, and the heart is solid and well blanched. Will stand the hot weather wonderfully and is slow to go to seed. Pkt., 5c; oz., 15c; ½ lb., 50c; lb., \$1.50.

St. Louis Market (The best hot weather lettuce). (45 days). A variety which stands hot weather remarkably well. A cabbage or butter head variety with medium dark green leaves that are crumpled and straight edged. Produces large compact heads and the quality is unusually crisp and tasty. Grown more extensively by market gardeners for summer use than any other lettuce. Pkt., 5c; oz., 15c; ½ 1b., 50c; lb., \$1.50.



Palmer's Black-Seeded Forcing (40 days). A cabage, butter head variety of medium size. The leaves are crumpled with straight edges, medium green in color, tinged brown at the edges. Forms very compact, solid neads of excellent quality. Used extensively for forcing but also suitable for early outdoor planting. Pkt., 5c; oz., 15c; ½ 1b., 50c; 1b., \$1.75.

Iceberg (50 days). Curled or crisp heading; medium large, medium green; leaves wavy with fringed edges, tinged with brown. Forms a compact head, very white inside. A handsome lettuce, tender, crisp, and of decidedly fine flavor. Withstands hot summers admirably. Do not confuse with "New York Wonderful" as many growers ship "Wonderful" under the name of "Iceberg" but they are two different varieties. Pkt., 5c; oz., 20c; ¼ 1b., 75c; 1b., \$2.00.

Early Curled Simpson (40 days). An early, loose heading, erect variety of fairly large size. The leaves are light green, broad, well crumpled and frilled at the edges. May be sown very thick and cut while the plants are very young, at which time they are exceedingly tender and well flavored. Pkt., 5c; oz., 15c; ½ 1b., 50c; 1b., \$1.50.

Black-Seeded Simpson (40 days). One of the best and most desirable large, early, loose-heading varieties; succeeding everywhere and always dependable. The leaves are light yellowish green, broad, crumpled, and frilled. The quality is very crisp and appetizing. Pkt., 5c; oz., 15c; ½ 1b., 50c; 1b., \$1.50.

Prize Head (45 days). Grows quickly and makes a lot of good eating leaves. The plants are medium large and the leaves are bright green shaded with light brown, much crumpled and frilled at the borders. Strictly non-heading. The quality is crisp; tender and deliciously flavored. Pkt., 5c; oz., 15c; ¼ 1b., 50c; lb., \$1.50.

Grand Rapids Forcing (38 days). Particularly adapted for winter culture in greenhouses, but also very desirable for early outdoor planting. Grand Rapids does not form a head, but has an upright growth of large leaves attractively curled and fringed. The color is a beautiful light green and quality is tasty and very delightful. Pkt., 5c; oz., 15c; ½ 1b., 50c; 1b., \$1.50.

Mammoth Black-Seeded Butter (42 days). An excellent head lettuce with large, compact heads. The leaves are yellowish green, broad, fairly crumpled and blistered, and the heart is beautifully blanched. The quality throughout is crisp, tender, and of a rich buttery flavor. Pkt., 5c; oz., 15c; ½ lb., 50c; lb., \$1.50.

Palmer's No. 16 (45 days). Any gardener in the St. Louis market will tell you of the superior quality of our No. 16 Lettuce. It is extremely popular for outdoor culture in the Spring and Fall and for cold frame culture. The heads are large, hardy, and vigorous, having broad, smooth thin leaves of a bright green color. Does better than any other during the cool fall and spring months. No. 16 is crisp and has a rich buttery flavor. We recommend this especially for professicnal market gardeners. Fkt., 5c; oz., 15c; ½ lb., 50c; lb., \$1.75.

Palmer's Fancy Muskmelon Seed

1 ounce will plant 50 hills; 2 to 3 pounds will plant an acre-

DIRECTIONS FOR PLANTING. Melons require a rich, sandy loam, DIRECTIONS FOR PLANTING. Melons require a rich, sandy loam, and about 100 days of good growing weather. Sow the seed early in May in hills 4 to 6 feet apart each way, placing 10 to 12 seeds to a hill. Cover the seed about 1 inch with fine soil, firmly pressed down. It is good to mix a shovelful of well-rotted manure with the soil in each hill. When large enough thin out to the 4 strongest plants.

Note: Soon as bugs are noticed start dusting with Sodium Fluosilicate, mixed 1 pound to 5 pounds of Hydrated Lime.

Best Salmon Fleshed Varieties

Hearts of Gold (Improved Hoodoo). (70 days). This wonderful midseason variety has enjoyed a sensational rise to popularity in a comparatively short time. In productiveness, appearance, taste and all around good quality, it holds a prominent place. The vines make a vigorous growth and are highly resistant to disease. The fruits are of medium size, slightly oval, with a tendency to heart-shape, distinctly ribbed and densely covered with a fine gray netting. The flesh is of a rich orange color; very thick, has a small cavity and ripens thoroughly to the rind. The remarkable sweetness and delicious flavor of Hearts of Gold cannot be praised too highly. Pkt., 5c; oz., 15c; 14 1b., 40c; 1 1b., \$1.25; 5 1bs., \$5.00.

Hale's Best (70 days). This is a new variety selected from the Pollock of California. It is a remarkable early melon, of delicious flavor, and particularly valuable for shipping. The melons are oval-shaped, about 8 inches long and 4½ inches in diameter, with heavy netting and fairly distinct ribbing. The flesh is exceptionally thick, deep salmon in color, and has a very small seed cavity. The big-

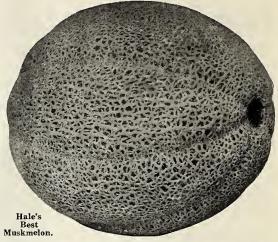
gest commercial growgest commiscial grow-ers in the west are planting more Hale's Best each year. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; 5 lbs., \$5.00.

(Pink Pollock 10-25 Meat Rocky Ford). (70 days). Identical with days). Identical with Rocky Ford except the color of the flesh, which is light salmon in color at the center, shading into a light green mid-way to the rind. A marvelous combination appearance, flavor, earliness, size, and keeping quality. **Pkt.**, 5c; oz., 10c; ½ lb., 30c; 1 lb., 90c; 5 lbs., \$4.00.

Burrell's Gem (75 days).

lent small, oval-shaped melon of the Netted Gem type, but somewhat later and slightly larger. The melons are well ribbed and covered with a fine gray netting. The flesh is thick, firm, of salmon-orange color and has a delightful flavor. Pkt., 5c; oz., 10c; 1/4 lb., 30c; 1 lb., 90c; 5 lbs., \$4.00.

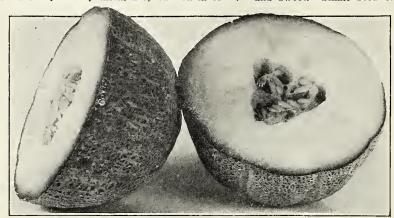




(70 days). An early variety maturing just ahead of Rocky Ford. The Emerald Gem melons are slightly ribbed and somewhat flattened and lightly netted. The skin is smooth and dark green and the flesh is a rich salmon color, very thick and sweet. Small seed cavity. Fkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.25; 5 lbs., \$5.00.

Tip Top (80 days). A large sized, salmon flesh variety, varying from round to slightly oblong. Somewhat late in maturing. The skin is pale green, deeply ribbed and moderately netted. Sweet and juicy. Pkt., 5c; oz., 15c; ¼ 1b., 40c; 1 lb., \$1.25; 5 lbs., \$5.00.

Usage Salmon The melons are rather large, oval shaped, hav-ing a distinct dark green skin with gray netting, slightly ribbed. Flesh very thick, deep salmon, and of a most delicious quality. Pkt., 5c; oz., 10c; ¼ 1b., 30c; 1 1b., 90c; 5 1bs., \$4.00.



Hearts of Gold Muskmelon.

Best Green Fleshed Varieties

Rocky Ford (Also known as Netted Gem). (70 days). Our improved strain of this popular melon is grown by the leading grower in Rocky Ford, Colorado. It is a vigorous growing, medium early variety and produces an abundance of fruit. The melons are almost round, slightly oval, show no ribs, and are covered with a heavy, hard gray netting. The flesh is thick and of a deep green color, showing a faint lining of pink or gold at the center. It possesses a marvelous flavor and is unsurpassed for shipping quality. Pkt., 5c; oz., 10c; 1/4 lb., 30c; 1 lb., 90c; 5 lbs., \$4.00. 30c; 1 lb., 90c; 5 lbs., \$4.00.

Large Hackensack (75 days). The fruits are large, round, and flat-green, thick, and exceedingly tasty. Pkt., 5c; oz., 10c; ½ 1b., 30c; 1 lb., 90c; 5 lbs., \$4.00.

Honey Dew (120 days). A melon with green flesh and smooth, almost white skin. Relished everywhere for its "Sweet as honey" flavor. The melons average 6 to 7 inches in diameter and weigh 5 to 6 pounds. As it requires a long and warmer growing season it is not recommended for northern planting. Pkt., 5c; oz., 15c; 1/4 lb., 50c; 1 lb., \$1.50; 5 lbs., \$6.00.

New Honey Ball (100 days). A cross between Cantaloupe and Honey round, and has a thick green meat of a delicious flavor. Skin greenish white and slightly netted. Enormous producer. Its flavor pleases immediately. Fkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50; 5 lbs., \$6.00.

Palmer's St. Louis Market (70 days). This is our private strain and entirely different than the variety offered same name. Palmer's St. Louis Market is a large melon similar to Large Hackensack in shape. It is deeply ribbed and slightly netted, has thick green flesh and is very well flavored. The melons turn yellow at maturity. Market gardeners in St. Louis County have been using this variety in large quantities. Pkt., 5c; oz., 10c; 1/4 lb., 30c; 1 lb., 90c; 5 lbs., \$4.00. Selected Tom Watson.

Palmer's Watermelon Seed

1 ounce will plant about 30 hills; 4 to 5 pounds will plant an acre. DIRECTIONS FOR PLANTING. A light, sandy loam soil with plenty of sunshine is best for Watermelons. Plant in hills about 8 feet apart each way, using a shovelful of well-rotted manure to each hill. Place 8 to 10 seeds to a hill. Thin out to 3 strongest plants.

Selected Tom Watson (85 days). The greatest shipping melon on the extra long attractive melons measure 2 feet long and 10 to 12 inches in diameter, weighing 40 to 50 pounds each. The large delicious fruits are of dark green color and have a tough rind, but comparatively thin. The flesh is deep red, sweet, and of such wonderful flavor it can hardly be described with words. Tom Watson is the kind of melon that "melts in your mouth." Large growers and shippers make more profit out of Tom Watson than any other melon. Pkt., 5c; oz., 10c; ½ 1b., 25c; 1 lb., 60c; 5 lbs., \$2.50.

60c; 5 lbs., \$2.50.

Fordhook Early (60 days). This is the earliest water-melon we offer. It is large in size and possesses a deliciously sweet flavor. The melons are nearly round, have medium green skin and bright red flesh. It will make a sure crop on almost any soil and is especially a favorite among home gardeners. Also is recommended as a good shipping variety. Fkt., 5c; oz., 10c; 1/4 lb., 25c; 1 lb., 60c; 5 lbs., \$2.50.

Thurmond Grey (85 days). A new variety of remarkable qualities, produced by C. A. Thurmond, expert melon grower of Georgia. It is, a large beautiful melon of grey-green color maturing about the same time as Tom Watson. The rind is very tough and makes it an excellent melon for shipping. The flesh is rich crimson and of luscious quality. Pkt., 5c; oz., 15c; ¼ 1b., 40c; 1 1b., 3125: 3 1bc \$500. \$1.25; 5 lbs., \$5.00.

Kleckley's Sweet (Also known as days). A dandy melon for home use or nearby markets. While the skin is too thin to permit shipping long distances, the delicious quality of Kleckley's Sweet has won for it thousands of friends who like good watermelon. The melons are very watermelon. The meions are very large and oblong and have a rich, dark green color. The flesh is bright scarlet and has a solid heart, and possesses one of the best flavors imaginable. Melons average 18 to 20 inches long and 10 to 12 inches in diameter. Seeds white. Pkt., 5c; 0z., 10c; ¼ 1b., 25c; 1 lb., 60c; 5 lbs., \$2.50.

Halbert's Honey (80 days). A hand-melon measuring 18 to 20 inches long and 6 to 8 inches in diameter, averaging 35 pounds each. The flesh is beautiful crimson color and is sweet and very delicious. Fine for home gardens. Pkt., 5c; oz., 10c; ¼ 1b., 30c; 1 lb., 75c; 5 lbs., \$3.00.



Florida Favorite.

Irish Grey (85 days). A distinct melon that produces an enormous crop of high quality fruits. The size is uniformly large, skin an attractive grey-green, and the sparkling and juicy red flesh cannot be surpassed by any other melon. Earlier than Tom Watson and will keep in good condition a long time after picking. Excellent shipper. Vines are vigorous and healthy. Rind almost as tough as a citron. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c; 5 lbs., \$3.00.

Florida Favorite (80 days). A splendid oblong melon growing to a very large size. It is long and beautifully shaped of dark green color, irregularly striped with lighter green. The flesh is red right to the rind and of a delicious, melting flavor. Seeds white. A fair shipper. Pkt., 5c; oz., 10c; ½ 1b., 30c; 1 1b., 75c; 5 1bs., \$3.00.

Preserving Citron (100 days). round Citron that is widely round Citron that is widely used for making preserves. Melons grow to a good size and the flesh is solid and practically white. Rind is dark green mottled with a lighter shade. Pkt., 5c; 0z., 10c; ¼ lb., 30c; 1 lb., 75c; 5 lbs., \$3.00.



Thurmond Grey.



New Mushroom Spawn

Some people have the false impression that Mushrooms can only be grown in caves, pits, and chambers especially built for the purpose. They can be successfully grown in any room, basement, or shed that can be converted to darkness. Beds can be made on the floor or on shelves; some are even grown in barrels.

WRITE FOR FREE CULTURAL LEAFLET

We have compiled in complete form a leaflet giving all information that will enable you to start growing mushrooms right now. This will gladly be sent free to anyone writing us, whether you order spawn or not.

American Spore Culture. Experience has taught us that this type of spawn is the most practical and gives best results. It comes in bricks weighing 1 to 1½ lbs. each. One brick will spawn about 10 square feet of bed. We keep a fresh stock on hand at all times and you can be sure of high quality when you order our American Spore Culture. Fer brick, 25c; 5 bricks, \$1.00; 100 bricks,

Mustard

1 ounce will plant 100 feet of row; 1 pound will plant an acre in rows; 2 pounds broadcast.

DIRECTIONS FOR FLANTING. Any good garden soil will produce fine Mustard. Sow early in the Spring in rows 12 inches apart, covering the seed with one-half inch of soil. Cut when about 4 inches high. For succession sow every few weeks until Autumn.

Southern Giant Curled

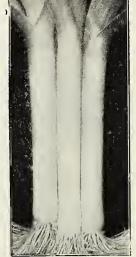
Gauge (30 days). The plants are vigorous and hardy, growth and produce a large quantity of green leaves. The leaves have a yellowish tint and are much crumpled and frilled at the edges. Best for early sowing and fall crop. Pkt., 5c; oz., 10c; 1/4 lb., 25c; 1 lb., 65c; 5 lbs., \$2.50.

Fordhook Fancy beautiful dark beautiful dark fringed, having the appearance of ostrich plumes. Yields an enormous quantity of green before (30 days). and the plants will stand a long time before going to seed. The flavor is mild, excellent for salads and garnishing. Best for second crop. Pkt., 5c; oz., 10c; ¼ 1b., 25c; 1 1b., 65c; 5 1bs., \$2.50.

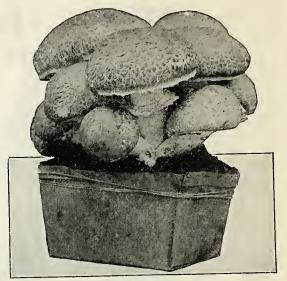
White London (30 days). This sort has dark green leaves, rather small and smooth. It has an upright growth and goes to seed quickly, therefore is not as desirable as other varieties. Pkt., 5c; oz., 10c; 1/4 lb., 25c; 1 lb., 65c; 5 lbs., \$2.50.

BEET COLLECTIONS NUTTING GEM DETROIT DARK RED EDMAND'S BLOOD TURNIP 503 One packet each of the three va-

10c rieties, value 15c, for 504 One ounce each of the three varieties, value 30c, for 20c







Mushrooms.

Leek

One ounce will plant 100 feet of row; 4 lbs. per acre.

pirections for planting. Sow the seed early in the Spring in rows 12 to 18 inches apart, covering the seed about 1 inch. When the plants are about 6 inches high transplant or thin out so they stand 6 to 8 inches apart in the row. Set the young plants deeply so the neck will be well covered.

Broad London Flag (70 days). A very fine, early and productive. It is a quick grower and produces large, strong plants with broad leaves of mild flavor. Excellent for Fall and early Winter sowing. Pkt., 5c; oz., 15c; ¼ 1b., 50c; 1b., \$1.75.

Large Musselburgh or Carentan (70 days). Leaves enormously large and broad, and the flavor decidedly mild. Pkt., 5c; oz., 15c; ¼ 1b., 50c; 1b., \$1.75.

Palmer's Okra Seed

l oz. will plant 100 ft. of row; 8 lbs. will plant an acre. DIRECTIONS FOR PLANTING. Plant in rich ground when the weather is warm and settled, in rows 3 feet apart, thinning the plants to stand 8 to 10 inches apart.

growing habit and very productive. The bushes make a compact and stocky growth and bear a tremendous crop of pods. The pods are short, deep green, very tender, and fibreless and of a most excellent quality throughout. Pkt., 5c; oz., 10c; ¼ 1b., 25c; 1b., 75c.

Mammoth Long Green

(Also known as Perkins' Mammoth). (60 days). A very prolific variety maturing early and producing a big crop of long, slender, deep green pods. They are slightly corrugated, tender, and do not harden as quickly as other long podded sorts. A good

variety for market.

Pkt., 5c; oz., 10c;

1/4 lb., 25c; lb., 75c.

White Velvet

(55 days). A vig-orous, tall grow-ing variety pro-ducing an abun-dance of long, smooth, creamy white pods. They are tender and mature very early. The plants reach a height of about 3 ½ feet. Pkt., 5c; oz., 10c; 1/4 lb., 25c; 1b., 75c.



Extra Early Dwarf Green Okra.



Southern Giant Curled Mustard.

Palmer's Tested Onion Seed

One ounce will plant 100 feet of row; 5 to 6 lbs. per acre.

DIRECTIONS FOR PLANTING. Onions grow best in rich, sandy loam soil or even in black loam. For an early crop sow the seed in hotbeds or cold frames in February; transplant to the open when large enough to handle in rows 1 foot apart, allowing 3 to 4 inches between plants. Open ground sowing is made right after frost is gone. Sow in rows 1 foot apart and this parts of the property of the second thin out to 3 to 4 inches between plants.

Best White Varieties

White Lisbon (Thick Neck Bunching). (100 days). This strain was procured by us from one of the leading European growers, and we are fortunate in being able to offer our customers such a splendid Onion. It is a Silverskin type and is especially recommended to market gardeners for bunch-Has thick necks and strong tops. Pkt., 10c; oz., 25c; 1/4 1b., 85c; 1b., \$3.00.

Southport White Globe (120 days). The most attractive of all White Onions, and the best quality. It is perfectly globe shaped, with small neck, pure white skin, juicy, and has a delightfully mild flavor. The flesh is solid and firm. Cannot be beat for shipping and always demands the highest prices. Pkt., 10c; oz., 25c; ¼ 1b, 85c; 1b., \$3.00.

White Portugal or Silverskin (95 days). (Same as Philadelphia White Silverskin). A splendid medium size flat Onion with silver-white skin and firm, solid, fine grained flesh. The flavor is mild and sweet. Used principally for green bunching Onions and for sets, and is recognized everywhere as the best pickling Onion on the market. Fkt., 10c; oz., 25c; ½ 1b., 75c; 1b., \$2.50.

Mammoth Silver King (85 days). The largest white flat Onion grown, averaging 5 inches in diameter. Both the skin and flesh are pure white, mild, and agreeably flavored. Fkt., 10c; 0z., 25c; 1/4 lb., 75c; lb., \$2.50.

St. Louis County Frost-Proof

This is seed of our own growing produced in St. Louis County Will withstand the most severe Winter weather. Our supply is limited so only the first orders can be accepted. Pkt., 10c; oz., 35c; ½ 1b., \$1.25; 1b., \$4.00.

Best Red Varieties

Southport Red Globe (120 days). A beautiful large globe dark red color and the flesh is white, slightly tinted with pink. Tender and rather strongly flavored. One of the best keeping varieties and an excellent shipper. Pkt., 10c; oz., 25c; ½ 1b.,

Large Red Wethersfield (110 days). One of the most reliable varieties in use. It is a fine large Onion, rather flat and has a deep purplish red skin. The flesh is white and shows a pinkish rose tint near the skin. The flavor compares with many of the lighter sorts in mildness, and is noted for its fine keeping qualities and productiveness. Used extensively in the production of Onion sets. Pkt., 10c; oz., 20c; ¼ 1b., 65c; 1b., \$2.00.



Southport Red Globe.



White Portugal or Silverskin.

Best Yellow Varieties

Southport Yellow Globe (110 days). The most largely grown Yellow Globe Onion for market use, and the most profitable. The bulbs are true globe shaped, having a small neck and a heavy, thick skin, which makes it excellent for storage. The skin is a bright golden yellow and the flesh pure white. Its crispness, juiciness and mild flavor make it a favorite in every section. Pkt., 10c; oz., 25c; 1/4 lb., 75c; 1b., \$2.50.

Giant Yellow Prizetaker (100 days). This magnificent yellow, globe-shaped Onion is all that its name implies. It grows to an enormous size, weighing as much as four pounds each and often measuring 4 to 5 inches in diameter. The skin is a handsome light yellow and the flesh white with a pleasingly mild flavor, crisp, solid and juicy. Our special strain of Prizetaker will please the most critical gardeners. **Pkt.**, 10c; oz., 20c; ¼ 1b., 65c; 1b., \$2.00.

Danvers Yellow Globe (110 days). Our strain is superior to most stock offered under this name. By careful breeding our growers have developed an Onion that combines earliness, large size, small neck, and enormous producing qualities. They ripen evenly and make an excellent Onion for storage and shipping. The skin is a rich brownish yellow and the flesh is creamy white, solid, tender and possesses a delicious mild flavor. Pkt., 10c; oz., 25c; ½ 1b., 75c: 1h. \$2.25 75c; 1b., \$2.25.

Imported Bermuda Onion Seed

Yellow Bermuda (Sometimes called "White Bermuda). Grown colored Onion; ripens early and has a most delicious, sweet and mild flavor.

Pkt., 10c; oz., 40c; ½ 1b., \$1.25; 1b., \$4.50.

Crystal Wax Bermuda
Conions.

Crystal Wave Bermuda
Conions.

Flat and of a medium size.

Pkt., 15c; oz., 75c; ¼ 1b., \$4.50.

Rapidly becoming the most popular of Bermuda It is absolutely pure white, and has a delicious mild flavor.

Flat and of a medium size.

Pkt., 15c; oz., 75c; ¼ 1b., \$2.50; 1b., \$9.00.

Bermuda Onion Plants

Yellow and Crystal Wax 100 plants for 20c; 1000 plants for \$1.50; \$7.50

Palmer's Onion Sets

One quart will plant 50 feet of row; 8 bushels will plant an acre.

DIRECTIONS FOR PLANTING. Onion Sets should be planted in rows 12 inches apart, sets spaced 2 inches apart in the row.

Our Onion Sets are of the finest quality produced, and we ask that you not compare them with cheap stocks usually offered at give-away prices. They are sound, uniformly sized and of good appearance.

Prices change with the market. Write for special quotations on large lots.

Red Onion Sets Hardy and good keepers. Qt., 20c; gal., 80c.

Yellow Onion Sets Produce medium size, globe Onions of excellent quality. Qt., 20c; gal, 80c.

White Onion Sets Grown from our strain of White Portugal or Silverskin. Pully described in Onion Seed section. Qt., 30c; gal., \$1.00. Winter Tops (Also known as Egyptian or Perennial). Used principally for formed in clusters. Cannot supply until August. Qt., 40c; gal., \$1.75.



Peas with Humogerm.

Palmer's Garden Peas

One pound will plant 50 feet of row; 2 bushels will plant an acre.

DIRECTIONS FOR PLANTING. Peas must have a good rich soil worked deep and thoroughly. Plant early varieties, as soon as ground can be worked, in rows 4 feet apart, the Peas 2 inches. For succession sow every two weeks up to August 1st. The covering the Peas 2 inches. For succession sow every two weeks up to August 1st. wrinkled varieties are more easily damaged by cold, wet weather than the round, hard varieties and therefore should not be planted very early.

Best Early and Extra Early Peas

Sutton's Excelsior (55 days). The finest dwarf wrinkled, extra early variety. An improvement of Nott's Excelsior with larger pods and greater productiveness. round, straight, and well filled with 6 to 8 large peas of the finest flavor. In sweetness and quality they have no equal. Fkt., 10c; ½ 1b., 20c; 1b., 30c; 10 lbs., \$2.25; 25 lbs., \$4.50.

Laxtonian (55 days). An exceptionally fine giant-podded Pea of dwarf growth, usually about 1½ feet high. Vigorous and very productive. The pods are dark green and measure about 4 inches long, straight and pointed, being filled with 6 to 8 large, luscious peas of fine quality. Matures slightly earlier than Gradus. Pkt., 10c; ½ 1b., 20c; 1b., 35c; 10 1bs., \$2.50; 25 1bs., \$5.00.

Hundredfold (50 days). This is decidedly the best Pea of the Laxtonian type ever grown. It is a large-podded, dwarf variety with a flavor so delicious it is just about perfection. Enormous croper. Dark green pods, fairly broad and pointed, filled with eight large peas. Pkt., 10c; ½ lb., 25c; lb., 40c; 10 lbs., \$3.00; 25 lbs., \$6.50.

Nott's Excelsior (60 days). A strong, vigorous grower and hears for a long time. Height about 1 foot. Foliage stout, heavy, medium green. Pods light green, 3 inches long, and contain six large, light green peas of unusually sweet flavor. Very productive. Fkt., 10c; ½ 1b., 20c; 1b., 30c; 10 lbs., \$2.00; 25 lbs., \$4.00.

Alaska, Extra Early (45 days). Also known as Earliest of All. The earliest of all smooth, hlue Peas. Exceptionally popular with canners and market gardeners. Grows about 2½ feet tall and produces a hig crop of well filled medium size pods. The pods are round, straight and square-ended, and contain six light green peas of fine quality. Pkt., 10c; ½ 1b., 20c; 1b., 30c; 10 lbs., \$2.00; 25 lbs., \$4.00.

Ameer or Large-Podded Alaska (45 days). This splendid variety is quickly becoming a favorite. It is a large-podded Pea of the Alaska type, very vigorous and of hardy constitution. Grows about 3 feet high, and produces an enormous yield of large, broad, dark green pods. About one-third larger than Alaska and the pods are well filled with about 7 large, round, blue peas of the best quality. Pkt., 10c; ½ 1b., 20c; 1b., 30c; 10 lbs., \$2.25; 25 lbs., \$4.50.

First and Best (45 days). Extra early Pea of light color. Vines vigorous and hardy, and produce an abundance of straight pods, 2 to 3 inches long, round and blunt; height 2½ feet. Pkt., 10c; ½ 1b., 20c; 1b., 30c; 10 lbs., \$2.00; 25 lbs., \$4.00.

Gradus or Prosperity (55 days). A fine large-podded, early, wrinkled variety and a heavy and produce medium green pods that are straight, round, long, and filled with 6 to 8 large luscious peas. The vines average 2½ feet high and the pods about 4 inches long. Pkt., 10c; ½ 1b., 20c; 1b., 30c; 10 1bs., \$2.25; 25 1bs., \$4.50.

Thomas Laxton (50 days). An extra early large-podded Pea rivaling the famous Gradus, and in many respects even better. The vines grow 2½ feet high and moderately heavy. The pods are medium green, about 3½ inches long and contain 7 medium peas of a delicious flavor. Pkt., 10c; ½ 1b., 20c; 1b., 30c; 10 1bs., \$2.25; 25 1bs., \$4.50.

American Wonder (50 days). A wonderful variety to use for the private garden. It is a dwarf variety growing about 8 to 10 inches tall and comes in a few days after Alaska. It produces an abundance of small pods holding 6 to 8 peas of good quality. Pkt., 10c; ½ lb., 20c; 1b., 30c; 10 lbs., \$2.00; 25 lbs., \$4.00.

Extra Early Premium Gem (55 days). Also known as Little Gem. A wonderfully The pods are light green, 2½ to 3 inches long, round and well filled with large peas. A general favorite on account of its productiveness and sweet flavor. Pkt., 10c; ½ 1b., 20c; 1b., 30c; 10 lbs., \$2.25; 25 lbs., \$4.50.

Best Second Early and Late Peas

Telephone (70 days). This late Pea combines vigorous vines, large pods, productiveness and farge pods 4½ inches long, filled with 3 large, light green peas; exceptionally tender, sweet and delicious. Pkt., 10c; ½ 1b., 20c; 1b., 30c; 10 lbs., \$2.00; 25 lbs., \$4.00.

Prince Edward (65 days). One of the best of the large, dark-podded Telephone types, and one of the most productive. Height 4 feet. Vine and foliage stout and heavy, medium green; pods dark green; 4¾ inches long, broad and pointed, containing 8 to 9 very large, medium green peas. Pkt., 10c; ½ 1b., 20c; 1b., 35c; 10 lbs., \$2.75; 25 lbs., \$6.00.

Bliss' Everbearing (65 days). An old standard late, main crop variety. Height 3 feet. Vine and foliage sturdy and strong, dark green; pods usually in pairs, medium green, 3 inches long, straight and pointed, containing 4 to 5 light green peas of good quality. Pkt., 10c; ½ lb., 20c; lb., 30c; 10 lbs., \$2.25; 25 lbs., \$4.50.

Edible Pod Peas

Tall Melting Sugar (70 days). Produces large, broad pods that are very brittle and entirely stringless. Height 3½ feet. The pods are light green, 3½ inches long, broad and pointed and contain 7 light green peas. Seed is smooth and white, matures with Telephone. Fkt., 10c; ½ 1b., 20c; 1b., 35c; 10 1bs., \$2.75.

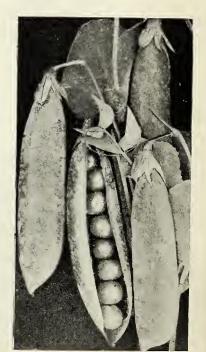
Dwarf Grey Sugar (55 days). An early edible-pod variety with purple blossoms and producing Peas of a wonderfully delicious taste. Grows 2 feet high. Fkt., 10c; ½ 1b., 20c; 1b., 35c; 10 1bs., \$2.75.

Field Peas

Black-Eyed Field Peas This is one of the Cow Pea family but is used considerably for table use as shell peas. The peas are white with a distinct black eye.

Lb., 20c; 10 lbs., \$1.50; 25 lbs., \$3.00.

Canada Field Peas Used extensively for building up soil. Also sown with oats for green feed. Sown at the rate of 2 bushels per acre. Lb., 20c; 10 lbs., \$1.50; 25 lbs., \$3.00.



Laxtonian Peas.

Palmer's Special Pepper.

Palmer's Quality Pepper Seed

1 ounce will produce 1500 plants; 5000 plants will plant an acre.

DIRECTIONS FOR PLANTING. warm mellow soil is most suit able for Peppers. Start the seed in a hotbed, greenhouse or indoor box during March or April. When the weather becomes warm and the earth dry, transplant to the open in rows 2½ feet apart, allowing 1½ feet between each plant.

Palmer's Special (120 days). This of Early Giant Peppers was developed by one of the leading commercial growers in St. Louis County, whose Peppers have always commanded the highest price on the local market. Combines the qualities of large size, mild flavor, productiveness and extreme earliness. It is a four-nosed Pepper of It is a four-nosed Pepper on the

order of Sweet Mountain, but is longer, larger and of better quality. A plant with 12 to 15 large, handsome Peppers is not uncommon. We highly recommend this superior strain for long distance shipping and know it will be a favorite with anyone who tries it. Pkt., 10c; oz., 50c; ¼ lb., \$1.75; lb., \$5.50.

Harris' Earliest (105 days). The newest sensation in Pepper development. By far the earliest Pepper on the market and so fine that no gardener can afford to pass it up. The vigorous plants have a uniform growth of 10 to 14 inches high and are literally burdened with beautiful Peppers 3½ inches long and 2½ inches in diameter. Harris' Earliest matures before other Peppers, will ripen early in August, and have a most delightful mild flavor. Pkt., 15c; oz., 60c; ¼ 1b., 82,00: \$2.00; 1b., \$6.00.

Worldheater (130 days). The name of this Pepper gives you an idea of how good it really is. It is a new introduction, combining the long form and earliness of the Ruby King and the large size of the Chinese Giant. It is exceedingly productive, a good shipper, and one of the most attractive Peppers on the market. The Peppers are 4-lobed, 5 inches long and 3½ inches in diameter. Its color is first a dark green, changing to a very brilliant scarlet when ripe. It is not unusual to pick 15 to 25 fine Peppers from a single plant. Because of its thick flesh it makes an excellent shipper and we want all of our customers to try at least a small quantity of it this season. Our stock is limited. **Pkt.**, 10c; oz., 50c; ½ 1b., \$1.75; Ib., \$5.50.

Bell or Bull Nose (120 days). The plants are very vigorous and deep green fruits that ripen to a beautiful scarlet-red. The fruits are about 3 inches long, 2 inches in diameter and bluntended. Very productive. Pkt., 10c; oz., 40c; ¼ 1b., \$1.50; lb., \$4.50.

Chinese Giant (140 days). One of the best large, mild, red and the fruits are thick, blocky, 4 to 5 inches in diameter, and of equal length. The color is a brilliant shiny scarlet. Makes an excellent Mango for stuffing. Pkt., 10c; oz., 50c; 1/4 lb., \$1.75; 1b., \$5.50.

Crimson Giant (120 days). This very desirable sort makes large fruits, ripens early, and bears a big crop of Peppers that are mild and sweet in flavor, and are fine for salads and mangoes. The fruits average 5 inches long and 3½ inches in diameter. Fkt., 10c; oz., 50c; 1/4 lb., \$1.75; lb., \$5.50.

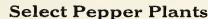
Ruby King (130 days). One of the most profitable and satisfactory sorts for the home and market garden. The plants are early, very productive and of dwarf, compact growth. Fruits are 4 to 6 inches long and 3 to 4 inches thick, tapering and of a bright ruby-red color. The flesh is thick, sweet and mild. Fkt., 10c; oz., 40c; ½ lb., \$1.25; lb., \$4.00.

Sweet Mountain (120 days). Similar to Bull Nose, but longer. inches in diameter, and have a bright red color and a mild, sweet flavor. Pkt., 10c; oz., 40c; ½
1b., \$1.25; lb., \$4.00.

Long Red Cayenne (125 days). A well known medium early variety with a slender, twisted pod about 4 inches long. The color when young is a deep green, turning to a bright scarlet when ripe. Flesh extremely hot. Pkt., 10c; oz., 40c; 14 lb., \$1.25; lb., \$4.00.

Red Chili (145 days). A late maturing variety with bright red pods about 2 inches long and one-half inch in diameter, tapering to a point at the base, and exceedingly hot. Pkt., 10c; oz., 40c; ¼ 1b., \$1.25; lb., \$4.00.

Pimiento (130 days). A small heartshaped variety with thick flesh especially suitable for salad fillr; oz., 50c; ¼ lb., \$1.75; ings and flavoring. The fruits are medium size, 3½ inches long and 2½ inches in diameter, and a brilliant, sweet and mild. Pkt., 10c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.



PALMER'S SPECIAL

CHINESE GIANT

1 dozen for 20c; 4 dozen for 75c; 8 dozen for \$1.30.

RED CAYENNE

BELL or BULL NOSE

7056 Lettuce Collection

This Lettuce Collection will fit nicely in many a garden to provide plenty of salads. It contains one packet each: PALMER'S NO. 16. ST. LOUIS MARKET GRAND RAPIDS

Value 30c, mailed to any address, postpaid, for ... 25c







Double Curled Parsley.

Palmer's Parslev Seed

One ounce will plant 150 feet of row; 2 to 3 lbs. will plant an acre.

DIRECTIONS FOR PLANTING. Farsley requires a rich, deep, mellow soil. Sow early in the Spring in rows 1 foot apart, covering the seed one-half inch. Thin the plants to stand 3 to 4 inches apart in the row. Be sure to soak the seed for about 12 hours in warm water before planting. The leaves are easily kept for Winter use by drying, powdering and storing in glass jars.

Double Curled (65 days). A dwarf, compact variety with handsome, mosslike, dark green leaves that are densely curled. A good sort for market gardeners to grow. Pkt., 5c; oz., 10c; ½ 1b., 30c; 1b., 75c.

Champion Moss Curled (65 days). A vigorous growing sort with deep green, attractive foliage that is densely curled. Splendid for either garnishing or flavoring. Pkt., 5c; oz., 10c; 1/4 lb., 30c; lb., 75c.

Plain Leaved (Also known as Italian). (70 days). Grown very extensively for soup bunches. Of dwarf growth and produces dark green flat leaves, deeply cut but not curled, hence, not as attractive as the other kinds. Pkt., 5c; oz., 10c; ½ 1b., 30c; 1b., 75c.

Hamburg or Turnip-Rooted (100 days). The thick, fleshy parsnip-like roots of this variety are used in flavoring soups, stews, etc. Roots may be dug and Winter stored like parsnips. They are white and have a flavor similar to parsnips. Pkt., 5c; oz., 10c; 1/4 lb., 30c; lb., 75c.

Tested Pumpkin Seed

One ounce will plant 25 hills; 3 to 4 lbs. will plant an acre.

DIRECTIONS FOR PLANTING. Plant in a good garden soil when the ground has become warm and dry, usually early May. Sow the seed in hills 8 to 10 feet apart each way, dropping 8 seeds to a hill. After plants are well advanced thin out to four to each hill. If planted among corn put about three seeds in every third or fourth hill. Never plant Pumpkins close to squash or other vine crops, as they mix.

Kentucky Field or Large Cheese (90 days). A large, round, flat Pumpkin skin is of a creamy buff color and much ribbed. It has thick orange-yellow flesh of exceptional quality and is a splendid sort for canning and family use. Also used to a great extent for stock feeding. Fkt., 5c; 02., 10c; ¼ 1b., 20c; 1b., 50c.

King of the Mammoths (Also known as Jumbo and Potiron). (90 days). This is the largest of all Pumpkins, the fruits growing to an enormous size, often weighing as much as 200 pounds, and measuring 2 feet in diameter. The Pumpkins are round and flat, slightly ribbed and with a light orange colored skin. The flesh is bright yellow, very thick, and of good flavor. Pkt., 5c; oz., 15c; ½ 1b., 30c; 1b., 90c.

Japanese Pie (90 days). Shaped somewhat like the Cushaw varieties and grows to a large size. The skin is a deep green with dark stripes and the flesh is deep yellow. The Pumpkins mature early and are of splendid quality. For good pies, we recommend this sort highly. **Pkt.**, **5c**; **oz.**, **15c**; ½ **1b.**, **30c**; **1b.**, **90c**.

Connecticut Field (70 days). Generally used for planting in the corn for stock food, and also used in a large way for making pies. The Pumpkins are rather oblong, slightly flattened and often measuring 15 inches in diameter. The reddish orange skin is distinctly ribbed. The flesh is a rich orange-yellow and highly flavored. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

Tennessee Sweet Potato (90 days). Of medium size and nearly bell-shaped. Neck slightly crooked. The skin is creamy white, sometimes striped with green, and the flesh is pure white and of excellent quality. Wonderful for pies. Pkt., 5c; oz., 15c; 1/4 lb., 30c; lb., 90c.





King of the Mammoths Pumpkin.

Small Sugar (65 days). A small, round, flattened variety, slightly ribbed and used mostly in the home garden. The skin and flesh are of a deep orange-yellow, very thick and of delicious flavor. Pkt., 5c; oz., 10c; 1/4 lb., 25c; lb., 75c.

Green Striped Cushaw (75 days). Large crookneck type, color is white, striped with green. Flesh is light yellow, very thick and deliciously sweet. Pkt., 5c; oz., 15c; 1/4 lb., 30c; lb., 90c.

Palmer's Parsnip Seed

One ounce will plant 200 feet of row; 5 to 6 lbs. per acre.

DIRECTIONS FOR PLANTING. Parsnips require a deeply worked soil to mature to perfection. A rich, sandy loam, thoroughly prepared is best, although any deep, moderately rich soil will produce good roots. Sow the seed about April 1st in rows one foot apart and cover one-half inch. Thin out to stand 3 to 4 inches apart in the row. Roots may be dug when frost sets in and stored in a cool cellar all Winter.

Hollow Crown or Large Sugar (85 days). The best variety for general use. The roots are long and tapering, averaging 12 inches in length, and have broad shoulders. They have a smooth white skin and the flesh is tender, sugary, and of a marvelous flavor. Pkt., 5c; oz., 10c; ½ 1b., 25c; 1b., 65c; 5 1bs., \$3.00.

ONION COLLECTIONS

Three excellent Southport varieties. Red, white and yellow. 20c 317—One ounce each (Value 75c)..... 316-One packet each (Value 30c).....

50c

Certified Seed Potatoes

Strictly Northern Grown

One-half peck will plant 100 feet of row; 8 to 10 bushels will plant an acre.

DIRECTIONS FOR PLANTING. Cut the Potatoes in pieces, each piece having two or three eyes. Plant them in rows 3 feet apart, dropping the pieces 15 inches apart for early Potatoes and 18 inches apart for late Potatoes. Some growers plant them in check rows 3 feet apart each way. Cultivate constantly and thoroughly. Mature in 80 to 120 days from planting.

DIP THE PIECES IN DU PONT SEMESAN BEL. THIS CONTROLS SCAB, BLIGHT AND OTHER POTATO DISEASES

Fancy Certified Stock

Do not confuse our Seed Potatoes with the ordinary commercial grades offered for seed purposes. We secure our stocks from authentic sources. They are inspected in the field by government agents, and are strictly first class in every way. Guaranteed Certified.

Best Early Varieties

Early Ohio (Also known as Red River Ohio). The favorite Fotato used for early planting. The skin is light pink or flesh color and the flesh is pure white. The Potatoes are nearly round, run uniform and even and of good marketable size. Produces an enormous crop and is an excellent keeper. 10 lbs., 75c; 30 lbs., \$1.75; 60 lbs., \$3.25.

Irish Cobbler One of the most popular of early varieties. It has a clean, smooth, white skin with well developed eyes and the flesh is pure white. The Potatoes are plump and round, rioen uniformly and keep well. The Irish Cobbler may also be used as a late Potato. 10 lbs., 75c; 30 lbs., \$1.75; 60 lbs., \$3.25.

Bliss Red Triumph
This is a medium size sort, round and uniform in shape. The skin is a beautiful light red and the flesh is pure white. Eyes slightly depressed. An excellent producer and particularly resistant to drought. 10 lbs., 75c; 30 lbs., \$1.75; 60 lbs., \$3.25.

Best Late Varieties

New York Rural A very large, smooth Po-tato of white skin and flesh. The shape is oblong and flat. This Potato is a good producer and its quality is fine. In some sections it is known as "Dusty Rural." 10 lbs., 75c; 30 lbs., \$1.75; 60 lbs., \$3.25.

Irish Cobbler Described under Early Va-

Fancy Sweet Potatoes

DIRECTIONS FOR PLANTING.

Plants are produced from small tubers saved from the previous year's crop. Plant the tubers in hotbeds during March. In May transplant the plants to the open in rows 2½ feet apart, setting them 15 inches apart in the row.

DIP THE TUBERS IN DU PONT SEMESAN BEL BEFORE PLANTING. THIS CONTROLS SCAB. BLIGHT AND OTHER POTATO DISEASES.



Best Late Varieties

Red Nansemond A leading kind for second early and late crops. The tubers are of medium size with red skin and yellow flesh. 10 lbs., 75c; 25 lbs., \$1.50; bu., \$2.50.

Yellow Nansemond Very similar to the cept the skin is yellow instead of red. 10 lbs., 75c; 25 lbs., \$1.50; bu., \$2.50.

Sweet Potato Plants ALL VARIETIES. 50 for 40c; 100 for 75c; 1000 for \$6.00.

Peanuts

New York Rural Potatoes.

Nancy Hall A popular Sweet Potato for either home gardens or market. The skin is a pale yellow and the flesh yellowish pink. Large size and a big cropper. 10 lbs., 75c; 25 lbs., \$1.50; bu., \$2.50.

Sweet Potatoes-Continued **Best Early Varieties**

Plant them in May or June in rows $2\frac{1}{2}$ to 3 feet apart. Drop the nuts 8 to 10 inches apart, one to a hill. Cover with 2 inches of soil. Nuts should be shelled before planting.

Large Jumbo The standard variety for roasting. It is not unacre on poor land. The forage is nutritious and averages one ton per acre yield. Lb., 25c; 5 lbs., \$1.00;

50 lbs., \$9.00.



Irish Cobbler Potato.

No. 230 SPECIAL

Vegetable Assortment

	• '	500000000000000000000000000000000000000
2	pkts.	Stringless Beans\$0.20
1	pkt.	Blood Turnip Beet
1	pkt.	Rubicon Carrot
2	pkts.	Sparkler White Tip Radish
1	pkt.	American Wonder Peas
2	pkts.	New York Wonderful Lettuce20
		\$0.90 ENT POSTPAID TO YOU FOR ONLY\$0.50
А	دي بليا	SRT PUSTPAID TO YOU FUR ORLY \$0.50

Peanuts.



Large Jumbo

Fancy Imported Radish Seed

One ounce will sow 100 feet of row; 5 pounds will plant an acre broadcast; 3 pounds will plant an acre in rows.

DIRECTIONS FOR PLANTING. Radishes must have quick growth to be good, therefore, a rich, well prepared sandy loam is the best soil. Sow the seed in rows as soon as the ground is warm and dry, and thin out so the plants stand about 2 inches apart. For a constant supply, sow at intervals of 10 days. Many gardeners sow the seed hroadcast. Winter varieties should be sown in August and thinned to about 5 or 6 inches apart.

Best Early Round Varieties

Sparkler White Tip (20 days). Our strain of Sparkler, an improvement over Early Scarlet Turnip White Tip, is strictly fancy. It produces an attractive ball-shaped Radish, half red and half white, and has a clear waxy appearance. The best bunching Radish on the market. Extra early, crisp and tender. Market gardeners cannot go wrong on this excellent strain. Pkt., 5c; oz., 10c; 34 lb., 25c; lb., 65c; 5 lbs. \$3.00.

Vick's Scarlet Globe (New). (20 days). We offer a special stock of this superb Radishes and does equally well when planted outside. The roots are of nice size, absolutely globe-shaped, and have a very small top. The color is a beautiful bright scarlet and the quality always crisp and tender. Pkt., 5c; oz., 10c; 1/4 1b., 25c; 1b., 65c; 5 1bs., \$3.00.

Early Scarlet Turnip (20 days). A round turnip-shaped Radish of rich scarlet-red color. Small tops, and a rapid grower. The flesh is white and very tender and mild. Pkt., 5c; oz., 10c; ¼ 1b., 25c; 1b., 65c; 5 1bs.. \$3.00. Philadelphia White Box (25 days). The white turnip-shaped Radishes. The roots are round and slightly flattened, and of an intermediate size. The color is a beautiful white. It has a medium top, matures early and is always crisp and tender. May be grown successfully under sash or outdoors. Pkt., 5c; oz., 10c; ¼ 1b., 30c; 1b., 75c; 5 1bs., \$3.50.

Crimson Giant (30 days). A round Radish, nearly globeshaped, and very large and early. Remains in good

condition a long time. The skin is a crimsonred and the flesh clear white and excellent of

quality. One of the best for outdoor culture. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c; 5 lbs., \$3.50.

French Breakfast (20 days). A quick growing variety, oblong in shape, and of a bright rose-scarlet color with a small white tip. An excellent early sort for the home garden and will also do well for forcing. Pkt., 5c; oz., 10c; ¼ 1b., 25c; 1b., 65c; 5 1bs., \$3.00.

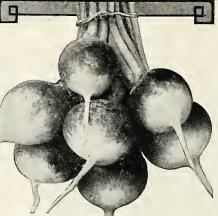
Best Early Long Varieties

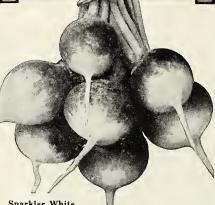
White Icicle (25 days). One of the earliest long white varieties for Spring use. The Radish has a handsome waxy white color and tapers gradually from the shoulders. The roots are usually about 6 inches long and white throughout, have small tops, are of excellent quality, and suitable for either forcing or outdoor culture. Pkt., Sci. of 10c; 14 h 25c; 1h 55c; 5 hs 2300 5c; oz., 10c; 1/4 lb., 25c; lb., 65c; 5 lbs., \$3.00.

Long Scarlet Short Top (30 days). The roots of inches long and unusually smooth and uniform. They are slender in shape and have a bright carmine-red color. The tops are short and small. Always crisp, tender and fine flavored. Pkt., 5c; oz., 10c; ¼ 1b., 25c; 1b., 65c; 5 1bs., \$3.00.

Best Summer Varieties

St. Louis White Summer (40 days). Market gardeners in the St. Louis district plant enormous quantities of this Radish. It is of oblong shape, tapers to a point, and is very attractive. The flesh is pure white, almost transparent, exceptionally tender and of a delightful pungent taste. Has a shorter top and grows more these the ground them Strasburg. Pt. 50: 00. above the ground than Strasburg. Pkt., 5c; oz., 10c; ¼ 1b., 25c; 1b., 65c; 5 1bs., \$3.00.





Sparkler White Tip Radishes.





Vick's Scarlet Globe Radishes.

White Strasburg (40 days). Market Gardeners' Special. Handsome roots 5 inches long, 2 inches in diameter, tapering to a point. Both the skin and flesh are pure white and unusually brittle and firm, remaining in good condition longer than most varieties. Cannot be surpassed for Summer use as it will stand severe heat and grows rapidly. We highly recommend our special strain of Strasburg which is imported from the best European growers. Pkt., 5c; oz., 10c; 14 lb. 25c; lb. 65c; 5 lbs. \$3.00. 1/4 lb., 25c; lb., 65c; 5 lbs., \$3.00.

Chartier (Also known as Long Rose and Shepherd). (35 days). It has beautiful long roots of a fine crimson color at the top and fading to pure white at the tip. The roots average 7 to 8 inches in length, rather thick and composite their in materials there. thick, and somewhat later in maturing than other long scarlet varieties. Flesh white, crisp, with a delicious snappy flavor. Pkt., 5c; oz., 10c; ½ 1b., 30c; 1b., 75c; 5 1bs., \$3.50.

White Munich (Also known as Bear Radish). Makes an attractive white, oval-shaped radish of large size. The flesh is crisp, juicy and mild. Pkt., 5c; oz., 10c; ½ lb., 30c; lb., 90c; 5 lbs., \$400.

Best Winter Varieties

China Rose Winter (Also known as Scarlet China). (60 days). One of the very best Winter sorts, with cylindrical roots 4 to 5 inches long and 2 inches thick. The roots are largest near the bottom and blunt at both ends. The skin is bright rose color and the flesh pure white, crisp, tender and of a pungent flavor.

Pkt., 5c; oz., 10c; ½ 1b., 30c; 1b., 75c; 5 lbs., \$3.50.

Long Black Spanish (70 days). One of the latest and hardiest sorts for Winter use. The roots grow 8 to 9 inches long and 2 to 3 inches in diameter. The skin is black and the flesh pure white, solid and has a good Radish flavor. May be stored all Winter in perfect condition. Pkt., 5c; oz.. 10c; 1/4 lb., 30c; lb., 90c; 5 lbs., \$4.00.

Round Black Spanish (70 days). Similar to the Long Black Spanish except in shape. The roots are round, slightly top-shaped, 3 to 4 inches in diameter, 3 inches long, and of a more pungent flavor than the Long Black Spanish. Pkt., 5c; oz., 10c; 1/4 lb., 30c; lb., 90c; 5 lbs., \$4.00.

Collections of Radishes

Contains the following:

PALMER'S SPARKLER
VICK'S SCARLET GLOBE
1110 One packet each of the three varieties, value 30c, postpaid for 25c

1111 One ounce each of the three va- 50c rieties, value 65c, postpaid for



St. Louis White Summer Radish.



Improved American Purple Top Rutabaga.

Myatt's Victoria Rhubarb.

Palmer's Rutabaga (Swedish Turnip)

One ounce will plant 200 feet of row; 4 lbs. will plant an acre broadcast; 2 lbs. will plant an acre in rows.

DIRECTIONS FOR PLANTING. Sow the seed during July in rows 2 to 2½ feet apart and cover firmly with one-half inch of soil. When the plants are sufficiently advanced, thin out to stand 4 to 5 inches apart in the row. Cultivate regularly. In the Fall, before severe freezing sets in, pull the roots and cut off the tops. They may then be stored in a cool cellar for Winter keeping. By covering them with sand their freshness may be retained.

Improved American Purple Top (95 days). A perfect Rutabaga of symmetrical shape and firm flesh. We consider this the finest of all yellow, purple-top varieties because it is the hardiest, heaviest, best shaped and most productive. The roots are better keepers than most sorts. They are of bright yellow color with a distinct purple top and have a very small tap root. The flesh is of a beautiful yellow color, delicious quality, and full of nourishment. Excellent for either table use or stock feeding. Pkt., 5c; oz., 10c; ½ 1b., 25c; 1b., 60c; 5 1bs., \$2.75.

Salsify or Oyster Plant

One ounce will plant 50 feet of row; 5 lbs. will plant an acre.

DIRECTIONS FOR PLANTING. Succeeds best in a fertile, mellow soil. the seed early in the Spring in rows 12 inches apart, covering the seed one inch. Thin out to stand 3 inches apart. Salsify receives the same cultivation as carrots and parsnips. It is a hardy plant and can remain in the ground all Winter for early Spring use. However, the roots are usually taken up in October and stored for Winter use.

Rhubarb Seed

DIRECTIONS FOR PLANTING. Rhubarb thrives best in a deeply cultivated and thoroughly enriched soil. Sow the seed during April in rows one foot apart, using one ounce to 150 feet of row and covering lightly with one inch of soil. Later thin out to stand 4 inches apart in the row, and keep the plants well cultivated. The next Fall or following Spring they may be transplanted to a permanent bed, setting them about 2½ to 3 feet apart each way. Do not cut stalks until the plant has had a full season's growth. Propagation may be done in either Spring or Fall by dividing the roots and setting them 2 to 3 feet apart each way. Bich soil is necessary for success. 2 to 3 feet apart each way. Rich soil is necessary for success.

Myatt's Victoria The most reliable and best liked variety in use today. It is used almost exclusively by both market gardeners and home gardeners. Produces very large stalks that cook wonderfully. Pkt., 5c; oz., 15c; ½ lb., 50c; lb., \$1.50.

Select Rhubarb Roots

We can supply choice 2-year-old roots of Myatt's Victoria. If planted early in the Spring they will make a strong growth and yield stalks for the table the same season. 20c each; \$2.00 per doz.; \$12.00 per 100.

Swiss Chard

One ounce will sow 100 feet of row.

DIRECTIONS FOR PLANTING. Sow as early in the Spring as the ground can be worked, in rows one foot apart, covering the seed with one inch of earth. When the plants are advanced, thin out so they stand 6 inches apart in the row. Used as a substitute for spinach during the hot Summer weather, the leaves being cooked in the same manner. The plants will yield continuously from July to Winter, starting new growth after each cutting.

Dark Green White Ribbed The variety we offer is hardy and productive, with has large, white midribs of excellent quality, which are prepared and served like asparagus. Grows about 2½ feet high. Pkt., 5c; oz., 10c; ¼ 1b., 25c; 1b. 60c.

lb., 60c.

Mammoth Sandwich Island (100 days). The roots are large, thick and tapering, almost white and delicately flavored. Oyster Plant is a most palatable vegetable and when properly cooked is very nutritious, resembling oysters in taste. Try them in your garden this Spring. Pkt., 10c; oz., 20c; ½ 1b., 60c; 1b., \$1.95.

Sorrel

One ounce will plant 100 feet of row.

Used for soups and salads and much liked for its acid flavor. Also used as a boiled vegetable when cooked like spinach, and is very tasty and nutritious. Some cook it with spinach in the proportion of one part Sorrel to three parts spinach. Some the seed in rows 1 foot apart, thinning out to a few inches between each plant. The hot sun tends to increase acidity, so a place with northern exposure is best for Sorrel. It is a perennial plant and will come up each year, but the roots should be taken up and divided every 4 or 5 years for best results.

Broad Leaf French (60 days). A vig-orous growing variety with broad, thick leaves that are very delicious and tender. Pkt., (60 days). A vig-10c; oz., 20c; 1/4 lb., 50c; lb., \$1.75.



Collection of New Sweet Corns	No. 112 ½ Lb, Each	No. 113 1 Lb. Each
BARDEN'S WONDER BANTAM	30c	50c
EARLY EVERGREEN	Postpaid	Postpaid



Salsify.

Fancy Imported Spinach Seed

Strictly Holland Grown

One ounce will plant 50 feet of row; 25 lbs. will plant an acre broadcast; 15 lbs. will plant an acre in rows.

DIRECTIONS FOR PLANTING. Spinach grows well in either Spring or Fall and especially during cool, moist weather. It thrives in a well cultivated, rich soil. Sow the seed very early in the Spring and at intervals until June 1st for succession. For Fall crop sow from August 15th to October 5th. If planted in rows, make the rows 1 foot apart.

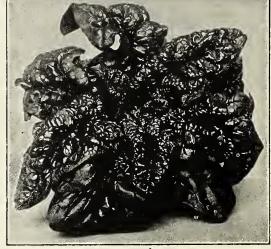
Princess Juliana (45 days). The Princess Juliana is said to be the most thoroughbred type of long-standing spinach ever introduced. Our own tests convince us it is the best for Spring sowing. It is uniform in type and most attractive in appearance. In form it is a dense, compact rosette and the leaves are large, rounded and thick in texture. They are exceptionally blistered and crumpled and of an intense dark green color. It is noted for its slowness to go to seed and its ability to hold up well in shipping. Pkt., 5c; oz., 10c; 1/4 lb., 20c; lb., 50c; 10 lbs., \$3.50.

Selected Bloomsdale Savoy (40 days). This wonderful Spinach is used more than any other variety, and is especially a favorite among market growers because of its fine appearance, hardiness and all around good quality. It is a very early sort and the best for Fall planting. However, if planted early in the Spring it produces excellent Spinach. The plant is of upright growth with thick, rrumpled and blistered leaves of a glossy green color. Pkt., 5c; 0z., 10c; ¼ 1b., 20c; 1b., 40c; 10 1bs., \$2.75.

Flanders Broad Leaf (35 days).
The best plain-leaved Spinach on the marplain-leaved Spinach on the market. An early, vigorous growing sort with bright green, broad, thick leaves. The leaves are usually broad, arrow-shaped, but occasionally rounded. It is famous for its quick growth and slowness to bolt to seed. Good for either Spring or Fall crops. Pkt., 5c; 0z., 10c; ¼ lb., 20c; lb., 40c; 10 lbs., \$2.50.

King of Denmark (45 days). The plants form compact bushes with glossy dark green leaves attractively crumpled and of thick texture. The numand of thick texture. The numerous leaves are extra large, broad and rounded. Stands a long time before going to seed. Pkt., 5c; 0z., 10c; 14 lb., 20c; lb., 40c; 10 lbs., \$2.50.

Round Thick Leaf (45 days). A good variety for wintering over. Produces large, thick, dark green leaves that are smooth but slightly wrinkled. Of good appearance and quality. Pkt.. 5c; oz., 10c; ¼ 1b., 20c; lb., 40c; 10 lbs., \$2.50.



Princess Juliana Spinach.



Flanders Broad Leaf Spinach.

New Zealand Spinach

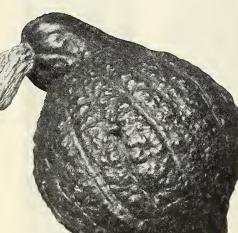
Also Known as "Everlasting Spinach."

(55 days). This is a different plant and entirely distinct from the regular Spinach, but the color, shape and taste of the leaf is remarkably similar. The plant is of tall branching growth with numerous side shoots. Leaves medium green and rather small and pointed. Will resist heat and adverse conditions resist heat and adverse conditions and supply plenty of green leaves through the Summer and Fall. New Zealand Spinach is an excellent Summer vegetable and should be grown more extensively. The seed is planted in rows 3 feet apart, dropping the seeds every 4 or 5 inches. May be planted in hills 2 feet apart each way, 3 or 4 seeds to a hill. Pkt., 5c; 0z., 10c; ½ 1b., 25c; 1b., 65c; 5 lbs., \$3.00.

New Squash Seed

One ounce will plant 25 hills; 3 to 4 pounds will plant an acre.

DIRECTIONS FOR PLANTING Squash succeeds best in a good rich soil with a shovelful of well-rotted manure placed in each hill. Make the hills 4 feet apart each way, thinning out to about 3 good plants per hill. Winter varieties are planted 6 to 8 feet apart, using 1 oz. to 15 hills; 2 lbs. per acre.



Hubbard Squash.

Best Summer Varieties

Early White Bush Scalloped (Also known as Patty Pan). (50 days). The leading early Summer Squash. It is of medium size, flattened and scalloped. It is creamy white in color and comparatively smooth on the surface; flesh greenish white. Of true bush form; very prolific and the fruits measure 6 to 8 inches in diameter. Pkt., 5c; oz., 10c; ½ 1b., 30c; 1b., 50c.

Yellow Bush Scalloped (50 days). Quite similar to the White Bush except in color, which is a deep orange-yellow. Often referred to as "Yellow Patty Pan." Pkt., 5c; oz., 10c; ½ 1b., 30c; 1b., 80c.

Golden Summer Crookneck (55 days). An early productive Summer variety, of bright yellow color. The flesh is salmon-orange and of a delicious flavor. A bush variety. Pkt., 5c; oz., 10c; ½ 1b., 30c; 1b., 80c.

Italian Cocozelle Bush (Also known as Italian Vegetable Marrow). (55 days). A Summer variety of bush habit. The fruits grow 12 to 16 inches long, 5 inches in diameter and are of a dark green color, marbled with yellow and dark green stripes. The flesh is exceptionally tender and fine flavored. Pkt., 5c; oz., 15c; ¼ 1b., 40c; 1b., \$1.25.

Best Winter Varieties

Improved Hubbard (100 days). This excellent olive-shaped Squash is large and moderately warted, with a dark bronze-green skin and bright orange-yellow flesh. The flesh is fine grained, thick and of a most delicious flavor. Sweet and dry. Pkt., 5c; oz., 10c; ½ 1b., 30c; 1b., 80c.

Blue Hubbard (100 days). The shell is deeply warted and the color is a clear blue-lightfully flavored. It is a heavy cropper, producing large size Squashes that have excellent keeping qualities. Pkt., 10c; 0z., 20c; ½ lb., 50c; lb., \$1.50.



Earliana (Sparks'). (85 days). An extremely early and prolific variety that is ready for the market several days ahead of any other variety. The Tomatoes are medium size. smooth are medium size, smooth, deep red color, and fine quality for early use. Pkt., 10c; oz., 50c; ½ lb., \$1.50; lb.,

John Baer (Special Strain). (85 days). An early Tomato of very attractive appearance yielding a big crop of rich, scarlet-red fruits. It is most valured fruits. It is most valuable because of its extreme earliness, good size, solid flesh and heavy yield. We recommend our strain very highly. Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.50.

June Pink (85 days). A purple-pink fruited variety maturing about the same time as Earliana, considered by many to be the best of the early pink varieties. The Tomatoes are smooth, slightly fattened and of medium size. The flesh is solid, slightly acid and well flavored. Pkt., 10c; 0z., 50c; 1/4 lb., \$1.50; lb., \$5.50.

Best Second Early and Late Varieties

New Marglobe (100 days). (Resistant to Nailhead Rust and Fusarium Wilt). This wonderful Tomato has New Marglobe Fusarium Wilt). This wonderful Tomato has enjoyed a most sensational rise in popularity and is acclaimed everywhere for its handsome appearance, and its value for shipping and canning. It was introduced by Prof. Pritchard of the Department of Agriculture and is highly resistant to wilt, somewhat resistant to blight and leaf spot, and the fruits are resistant to nailhead rust and "puffiness," so prevalent in some trucking sections. The plants are distinguished by their vigorous, healthy growth and darker green foliage, being more stocky and not so tall as other varieties. The beautiful bright red Tomatoes are large and round, very meaty and almost coreless. The skin is exceptionally smooth and will not crack. Very productive. Every gardener should try at least a small quantity of this new Tomato. We give Marglobe first place as a main crop red Tomato. Pkt., 10c; oz., 60c; ½ lb., \$2.00; lb., \$6.00. 1b., \$6.00.

Livingston's Beauty (110 days). A very productive main crop variety with large, smooth, solid, purplish pink fruit. The plants make a strong growth and bear abundantly. One of the best for table use. Pkt., 10c; oz., 35c; ¼ 1b., 90c; 1b., \$3.00.

Stone (110 days). A favorite Tomato with truckers and canners and equally popular for home gardens. The vines are strong and very productive, and the Tomatoes are always of good size and quality. The fruits are a bright scarlet color, perfectly smooth and solid, round and will stand shipping and long distance hauling remarkably well. The flesh is solid and of splendid texture and flavor. Pkt., 10c; oz., 35c; ½ 1b., 90c; 1b., \$3.00. A favorite Tomato with truckers and equally popular for home gardens. The

Palmer's Fancy Tomato Seed

One ounce will produce 1000 plants; 5000 plants will plant an acre.

DIRECTIONS FOR PLANTING. Sow the seed in hotbeds from the middle of February to the last of April in rows 5 inches apart and one-half inch deep or broadcast. When about 4 inches high, transplant into boxes, placing the plants about 4 inches apart. About May 15th they may be set out in the garden 2 feet apart, in rows 4 feet apart.

Best Early Varieties

Selected Livingston's Globe (95 days). The most popular shipping Tomato known and a favorite for home gardens. It is smooth, and have a very firm flesh with few seeds. The color is a purplish pink, without the slightest trace of yellow when ripe. The quality is mild, delicious and hard to beat. Its ability to resist blight is remarkable. We have a specially selected strain of Livingston's Globe and can recommend it to the most critical growers. Pkt., 10c; 02., 50c; ½ lb., \$1.75: lb., \$6.00. \$1.75; lb., \$6.00.

Cooper's Special (95 days). A so-called self-topper Tomato used in great quantities throughout the Florida trucking districts. It is a globe-shaped sort similar in color and appearance to Livingston's Globe, but not quite as large. The plants are short and of vigorous growing habit. Cooper's Special is a big yielder and excellent for shipping and canning. Pkt., 10c; 02., 50c; ¼ 1b., \$1.75; 1b., \$6.00.

Bonny Best (88 days). A splendid selection from Chalk's Early Jewel, but maturing about a week earlier. The Tomatoes are of medium size, uniformly

smooth and solid, and have a rich bright scarlet color from stem to blossom end. An enormous producer and good for shipping and mar-ket. Pkt., 10c; oz., 40c; ¼ lb., \$1.00; lb., \$3.50.

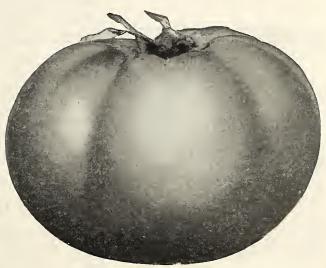
Gulf State Market (95 days). finest early Globe Tomatoes we have to offer. The fruits we have to offer. The fruits are of medium size, purple colored and ripen about the same time as Livingston's Globe. The Tomatoes are smooth and attractive, free of cracks, and the flesh is exceptionally solid and juicy. Pkt., 10c; oz., 50c; ½ 1b., \$1.50; 1b., \$5.50.



New Marglobe Tomatoes.

Yellow Plum (95 days). Bright yellow, small Tomatoes, having the size and shape of a plum. Used for preserving. Pkt., 10c; oz., 50c; ¼ 1b., \$1.75; ib., \$6.00.

Yellow Pear (95 days). A handsome small Tomato of delicious quality used for preserving, salads and in making marmalade. They are similar to Yellow Plum, but more pear-shaped and have a distinct neck. Pkt., 10c; 02., 50c; 14 lb., \$1.75; lb., \$6.00.



Gulf State Market Tomato.

Palmer's Fancy Tomato Seed — Continued

Ponderosa (Also known as Beefsteak). (110 days). The largest Tomato in cultivation, frequently weighing more than 2 pounds each. The fruits are a beautiful dark crimson color, uniformly smooth and astonishingly solid for their immense size. It has an excellent flavor and is a good slicer Pkt., 10c; oz., 60c; ½ 1b., \$2.00; lb., \$6.50.

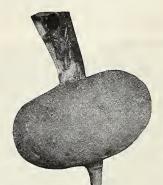
New Red Rock (115 days). A large size, bright red, solid and smooth-skinned Tomato of excellent shape and superior texture and flavor. It is a main crop variety and is very productive. Pkt., 10c; oz., 35c; ½ 1b., \$1.00; 1b., \$3.50.

Buckeye State (110 days). This is an exceptionally large purple Tomato, nearly and of fine quality. Pkt., 10c; oz., 75c; 1/4 lb., \$2.50; lb., \$8.00.

Norton's Wilt Resistant (120 days). Developed by the United States Department of Shape, and is used largely in districts troubled with Tomato diseases. Pkt., 10c; oz., 50c; ¼ 1b., \$1.75; 1b.. \$6.00.

White's Excelsion (110 days). A popular main crop variety producing large purple qualities but seems to be more easily affected by blight than some of the other varieties. Pkt., 10c; oz., 35c; ½ 1b., \$1.00; 1b., \$3.50.

Trucker's Favorite (110 days). A purple-fruited Tomato of excellent quality. The flesh is of the finest texture and quality. A main crop variety maturing about the same time as Matchless. Pkt., 10c; 0z., 35c; 1/4 lb., \$1.00; lb., \$3.50.



Extra Early Purple Top Milan Turnip.

Choice Tomato Plants

Ponderosa, Stone, Livingston's Globe, Marglobe and Livingston's Beauty. 1 dozen for 20c; 4 dozen for 75c; 8 dozen for \$1.30.

Jute Tomato Twine

Tobacco Seed

I ounce will produce plants for an acre.

DIRECTIONS FOR PLANTING. Start the plants early in frames or seed bed, using well enriched soil. When weather has become warm and settled, transplant to the open ground in rows 4 feet apart, allowing about 3 feet between each plant. Cultivate like corn.

Missouri Broad Leaf Good to use in the northern part of Cotton Belt. A good yielder Pkt., 10c; oz., 50c; 1/4 lb., \$1.50; lb., \$5.00.

Havana Large, long, fine quality leaf; matures early; fine for cigars Pkt., 10c; oz., 50c; ¼ 1b., \$1.50; 1b., \$5.00. White Burley Heavy yielder and good quality. Pkt., 10c; oz., 50c; ¼ 1b., \$1.50; 1b., \$5.00.



Improved Purple Top White Globe Turnip.

Tested Turnip Seed

New Red Rock Tomatoes.

One ounce will sow 150 feet of row; 2 lbs. will plant an acre broadcast, 1 lb. in rows.

DIRECTIONS FOR PLANTING. For early Turnips sow the seed early in the Spring in rows 18 inches apart, thin out seedlings to 3 to 4 inches apart. For succession sow every 2 weeks until the middle of May. Fall crops are sown during July and August Most gardeners sow Turnips broadcast.

Improved Purple Top White Globe (Also known as Red Top White Globe). (65 days) A perfect globe shaped Turnip with bright red or purple tops and snowwhite bottoms. The fiesh is white, firm and crisp, and has a delicious mild flavor Pkt., 5c; oz., 10c; ½ 1b., 25c; lb., 60c; 5 lbs., \$2.75.

Extra Early Purple Top Milan (45 days). The earliest of all Turnips Has medium crisp, white flesh of fine quality. The upper portion of the Turnip is reddish purple and the lower portion is pure white. The leaves are short and few. Pkt., 5c; oz., 15c; 14 lb., 30c; lb., 75c; 5 lbs., \$3.50.

Large White Globe (70 days). A large, globe-shaped variety with smooth, white skin. The flesh is pure white, solid, sweet and of excellent quality and texture. It is a heavy producer and is used largely for both table use and for feeding stock. Also popular as a Winter Turnip. Pkt., 5c; oz., 15c; ½ 1b., 30c; 1b., 75c; 5 lbs., \$3.50.

White Egg (50 days). An early oval or egg-shaped variety of medium size having a tendency to grow half out of the ground. The skin is smooth and clear white, and the flesh is firm, mealy and well flavored. Pkt., 5c; oz., 10c; ½ 1b., 30c; 1b., 75c; 5 1bs., \$3.50.

Purple Top Strap Leaf (55 days). The roots of this early variety are quite flat, the upper portion purplish red and the lower portion white. Not as popular as the Purple Top Globe, but used by many for Fall and Winter use Pkt., 5c; oz., 10c; ½ lb., 25c; lb., 60c; 5 lbs., \$2.75.

Seven Top (30 days). This variety does not produce edible roots, but is grown exmake a tasty addition to the diet when prepared like spinach, and are considered one of the most delicious greens in existence. Pkt., 5c; oz., 10c; ½ 1b., 30c; 1b., 75c; 5 1bs., \$3.50.

Yellow Globe (75 days). This is the only yellow-fleshed variety we sell, and we believe it to be the best. The roots are medium to large in size, globeshaped, the skin being a clear yellow tinged with green at the top. The flesh is light yellow, firm and of good quality. This variety is also used for stock feeding. Pkt., 5c; oz., 10c; ¼ 1b., 30c; 1b., 75c; 5 1bs., \$3.50.

Rutabaga (Listed on page 25).

Three of the Best Garden Peas

en Peas HUNDREDFOLD SUTTON'S EXCELSIOR
ON NO. 79. COLLECTION NO. 80.
nd each of One pound each of these

COLLECTION NO. 78.

One packet each of these three fine garden Peas, three mailed, postpaid, 25c

COLLECTION NO. 80.
One pound each of these three fine garden Peas, mailed, postpaid, \$1.15



flowers that we believe best

for the average home garden. We have selected the kinds that are easily grown by anyone, because we want our seeds to give satisfaction. To offer an extended list of all the fancy varieties, many of them without merit, would result in failure and disappointment unless one has a thorough knowledge of their culture. However,

items not listed in this book. In preparing this catalog

we have kept the amateur's needs in mind. Annuals are those flowers that bloom, ripen their seed, and die the first year. They are indicated in the following

we want it understood that we carry a complete line in stock for our professional trade and can fill orders for

pages by (A). Biennials are those flowers that bloom the second year

from seed and then die. Indicated by (B).

Perennials are those flowers that endure winters without protection and bloom for several years in succession. Many of them will bloom the first year if planted early in the Spring. Indicated by (P).

Varieties indicated with (I) in this book are plants for

indoor culture.

Note: Full cultural directions are printed on every packet of Palmer's Flower Seeds.

Abutilon - Flowering Maple (A)

Fine Mixed. Exquisite bell shaped flowers. Will bloom in late Summer if sown early and indoors during the Winter. Pkt., 20c.

Achillea - Yarrow or Milfoil (P)

Ptarmica—The Pearl. Hardy perennial, double white small flowers. Pkt., 15c.

Aconitum - Monkshood (P)

Napellus. A hardy perennial bearing long spikes of lovely dark blue flowers. Pkt., 15c.

'Acroclinium - Everlasting (A)

Beautiful white and pink flowers resembling daisies. Double Mixed, pkt., 10c; Single Mixed, pkt., 10c.

Only a seed but it chanced to fall, In a garden by the city wall; And taking root grew bravely up Till a gorgeous blossom crowned its top.

How mysterious and amazing is the contents of a little packet of seeds. Looking at the tiny, hard specks it seems almost impossible to believe that within them lies, in a dormant state, hundreds of

beautiful flowers. In the course of a few months with just a little earth, moisture, sunshine and air, they will develop into thousands of exquisite blossoms in an endless array of shades and color combinations.

Flowers deserve a place in everyone's life. Whether you live in the heart of a busy city or out where the sun shines unobstructed on the fields and woodlands you should grow flowers. They add much to the beauty of your home, and bring cheerfulness to every member of the family.

HAVE A FLOWER GARDEN THIS SPRING!

6 Popular Hardy Perennials That Will Give a Wealth of Bloom and a Wondrous Range of Color

ICELAND POPPIES. Brilliant flowers in orange, white, and yellow colors. Blooms profusely throughout the Summer. Pkt., 15c.

COREOPSIS LANCEOLATA. Bright yellow flowers on long stems in bloom from June to frost.

Excellent for cutting. 2½ feet. Pkt., 10c. GAILLARDIA GRANDIFLORA. Rich crimson and orange flowers blooming in profusion from

July to frost. Splendid for cutting. Pkt., 10c.
DELPHINIUM HYBRIDS. An exquisite strain
with stately spikes of rich blue flowers in varied hues. Pkt., 15c.

HARDY GARDEN PINKS. Sweet scented double and single Everblooming Pinks in a wide range of

color. Pkt., 10c.
VIOLAS or TUFTED PANSIES. Very effective free blooming Pansies in distinct colors. Bloom from June till frost. Pkt., 10c.

Prize Collection 1 Packet of each 55c

Ageratum (A)

An annual of the easiest culture, extensively used for pots, bedding, and borders. Sow indoors in March for early blooms or outdoors in May for August flow-

ering.

Blue Perfection. Deep amethyst-blue. 15 inches. Pkt.,

10c. Imperial Dwarf Blue. Clear blue. 8 inches. Pkt., 10c. Imperial Dwarf White. 8 inches. Pkt., 10c. Little Blue Star. Bright blue. 5 inches. Pkt., 15c. Fine Mixed. Pkt., 10c.

Alyssum (A)

Alyssum (A)

Little Gem or Carpet of Snow. A fragrant hardy annual bearing small white flowers in great profusion. Used for borders, early bedding and window boxes. Pkt., 10c; ½ oz., 20c; oz., 60c.

Lilac Queen. Deep lavender-lilac of dwarf creeping habit. Pkt., 10c.

Sweet Alyssum (Maritimum). White flowers of trailing habit. Pkt., 10c.

Saxatile Compactum (Perennial). Bright yellow. 1 ft. Pkt., 10c.



Sweet Alyssum Border.

Ampelopsis (P)

Veitchi (Boston Japanese Ivy). The most popular hardy clinging ivy for wood, brick or stone walls. 1/4 oz., 20c; oz., 50c; pkt., 10c.

Amaranthus (A)

Tricolor Splendens (Joseph's Coat). An annual foliage plant with brilliant coloring. 3 feet. Pkt., 10c. Prince's Feather. Beautiful dark red. Pkt.,

Choice Mixed. Pkt., 10c.

Anchusa (P)
Italica (Dropmore variety). A hardy perennial bearing an abundance of rich gentian flow-

ers. 3 to 5 feet. Pkt., 10c.

Capensis (Cape Forget-Me-Not). A free growing annual with lovely blue flowers. Blooms all Summer. 1½ feet. Pkt., 10c.

Anemone - Windflower (P)

Brigid. A desirable perennial, bearing single and semi-double flowers suitable for bouquets, in a wide range of colors. Pkt.,

Anthemis - Hardy Marguerite (P)

Kelwayi, A perennial golden yellow flower re-sembling daisies, bearing continuously dur-ing the Summer. Valuable for cutting. 2 ft. Pkt., 10c.

Antirrhinum - Snapdragon (A)

The Snapdragon has been wonderfully developed in the last few years in size of bloom, brilliancy of coloring and vigor of habit. Largegrown for cutting by florists and private gardeners the year round. Seeds sown indoors in a frame in March may be planted outdoors in May, and will give continuous bloom until November. Excellent for beds and borders. 1½ to 3 ft.

LARGE FLOWERING GIANT

SNAPDRAGONS Pk	t.
Crimson King. Rich garnet-crimson10)c
Fire King. Brilliant orange-scarlet10)e
Harmony. Terra cotta shaded10	e
Golden King. Rich yellow	e
Queen Victoria. Pure white10	ic
Rose King. Silvery rose	
Mixed. Finest; all colors. 1/4 oz., 30c10	С
LARGE FLOWERING HALF-DWARF	

SNAPDRAGONS A desirable type, about 18 inches high. Best

0 1 11
for bedding. Pkt.
Silvery Pink. Pearly-pink10c
Empress. Crimson10c
Golden Queen, Clear yellow10c
Grenadier. Orange-scarlet10c
Purity. Pure white10c
Fawn. Rose and gold10c
Choice Mixed. All colors. 1/4 oz., 30c10c
MAXIMIM OR GIANT SNAPDRAGONS

Pkt.
Apple Blossom. Soft apple blossom pink15c
Canary Bird. Canary-yellow with deeper
yellow lip
Copper King. Copper colored bronze 15c
Old Gold. Rose on yellow ground15c
Snowflake. White
The Rose. Rich rose-pink
Maximum or Giant Mixed. All colors 15c
1111200



American Beauty Aster.

Arabis - Rock Cress (P)

Alpina. A hardy perennial producing pretty white flowers. One of the earliest to bloom in the Spring. Pkt., 10c.

Aquilega - Columbine (B)

Among the earliest flowering perennials. Favorite for border plantings and for cut flowers. 2 to 3 feet.

I	Pkt.
California Hybrids. Yellow and orange	15c
Chrysantha (Golden Spurred), Yellow	10c
Silver Queen Long Spurred. White	10c
Coerulea. Violet, blue and white	10c
Double Mixed. All colors	10c
Single Mixed. All colors	10c
Palmer's Long Spurred Mixed Hybrids	15c
	100

Arctotis - African Daisy (A)

Grandis. A large, showy, pure white annual with the reverse of petals a pale, lilac blue. Blooms in July and continues until frost. Fine for cutting. Pkt., 10c.

Asparagus (I)

Plumosus Nanus. A graceful foliage plant used extensively for cutting. Grown indoors. 100 seeds for \$1.00; Pkt. 25c.
Sprengeri. A pretty house plant with drooping foliage for window boxes and baskets. Fine for cutting. 100 seeds for 50c; pkt.,

Palmer's Superb American Asters(A)

What is more beautiful in the garden than a what is more beautiful in the garden than a gorgeous display of the superb American grown Asters? Everyone admires their exquisite forms, delicate colorings and their marvelous giant flowers. The varieties offered in this list are procured from reputable specialists whose strains cannot be surpassed in quality. They will delight you with their beautiful colorings.

EARLY WONDER ASTERS

The earliest blooming asters with large, full flowers of the Comet type. Height 18 inches. Pink, pkt., 10c; White, pkt., 10c; Purple, pkt., 10c.

CREGO'S IMPROVED GIANT COMET ASTERS

The finest of this type with long, full fluffy flowers. Midseason. Height 2½ feet.

Crimson 10c	Pkt. Deep Lavender10c
Dark Blue10c	Pure White10c
Dark Blue 10c Light Blue 10c Shell Pink 10c	½ oz., 50c10c
Special Collection, 6 se	parate colors for50c

KING ASTERS A distinct type of sturdy habit with large double flowers and attractive quilled petals.

Height 18 inches.	
Pkt.	Pkt.
Pkt. Crimson10c	Pure White10c
Lavender10c	Shell Pink10c
Brilliant Rose10c	
Violet10c	1/4 oz., 50c10c
Special Collection, 6 ser	parate colors for50c
CHIPEDD I ATE DD	ANCHING ACTEDS

SUPERB LATE BRANCHING ASTERS
Plants 2½ to 3 feet high, of branching and
robust habit. Flowers double and of fine form.

Pkt.	Pkt.	
Azure Blue10c	Shell Pink10c	
Pale Lavender10c	Deep Rose10c	
Crimson10c	Pure White10c	
Deep Purple10c	Mixed	
Rose Pink10c	1/4 oz., 50c10c	
Special Collection, 8 pks. separate colors for 60c		
EARLY BRANCHING	OR ROYAL ASTERS	

May be classed as dwarf early branching, following the Queen of the Market. Height 2

reet.	
Pkt. 1	Pkt.
Lavender10c	Shell Pink10c
Purple10c	Pure White10c
Rich Rose10c	Mixed, All colors.
Pkt. Lavender .10c Purple .10c Rich Rose .10c Rose Pink .10c	1/4 oz., 50c10c
Sussial Collection 6 wists	

Special Collection, 6 pkts, separate colors for 50c

OSTRICH FEATHER ASTERS
Belongs to the Comet type, with immense flowers having long, beautifully curled petals.
Excellent for cutting. 2½ feet.
Pkt.
Bright Rose10c
Wirel Color10c Violet Blue10c Mixed Colors ...1cc Pure White10c



Antirrhinum-Snapdragon.

ASTERMUM ASTERS

These are of extraordinary size, a little earlier than Crego's and having a chrysanthemumlike appearance. 2 feet,
Pkt. | Pkt. avender15¢15c Pink

Special Collection, 1 pkt., each of the above 35c AMERICAN BEAUTY ASTERS One of the finest late flowering classes, similar to Late Branching. Produce flowers 4 to

5 inches across, borne on long, strong stems; excellent for cutting. 3 feet. Pkt.

| Carmine Rose | 15c | Purple | 15c | Lavender | 15c | Shell Pink | 15c | Fancy Mixed | 15c | 15 Special Collection, 1 each of 5 colors.....60c

NEW CALIFORNIA GIANT ASTERS
A new giant variety of the Crego type, combined with the Beauty Asters. Have long, strong stems and are fine for cutting. We recommend this type of Aster very highly. 3 feet.

Pkt.
Pure White . 15c
Peach Blossom . 15c
Deep Rose . 15c
Light Blue . . . 15c
Special Collection, 1 pkt. each of 5 colors 60c

Balloon Vine (A)

A rapid growing climber with white flowers that adapts itself to warm situations. The seed vessels look like tiny balloons. Pkt., 10c.

Balsam - Lady Slipper (A)

Double Camellia-flowered. A half hardy annual of the easiest culture. Should have rich soil and plenty of water. Set the plants 12 inches apart. The flowers are white, light yellow, scarlet, salmon, rose and violet. Pkt., 10c. Double Camellia Mixed. All colors. 1/4 02., 20c; 02., 60c; pkt., 10c.



Calendula-Pot Marigold.

Balsam Apple (Mormordica Balsamina)

An ornamental vine attaining 10 to 15 feet in height with orange colored apple shaped fruits, which are used for medicinal purposes. Pkt., 10c.

Balsam Pear (Momordica Charantia)

Bright yellow pear shaped fruit, larger in size than the Balsam Apple. The vines grow 10 to 15 feet in height. Pkt., 10c. BABY'S BREATH. See Gypsophila. BASKET OF GOLD. See Alyssum Saxatile. BACHELOR'S BUTTON. See Centaurea.

Bellis - Double English Daisy (P) A flower of easy culture blooming from early

Spring until Summer. Prefers a cool, shady location. Giant Red. Pkt., 10c.

Giant Rose. Pkt., 10c.
Giant White. Pkt., 10c.
Improved Snowball. Double pure white. Pkt.,

10c. Longfellow. Double large pink. Pkt., 10c.

Begonia (I)

Everblooming bedding varieties. Easily raised from seed and do well in sun or shade. Bloom profusely from May until frost. Prina Donna. Light rose, shading to carmine.

Pkt., 15c.

Erfordia. Bright rosy carmine. Pkt., 15c. Luminosa. Fiery scarlet. Pkt., 15c. Vernon. Orange carmine, deep red foliage. Vernon. 0 Pkt., 15c.

Semperflorens, Single mixed; all colors, Pkt.,

BLANKET FLOWER. See Gaillardia. BLUE LACE FLOWER. See Didiscus. BOSTON IVY. See Ampelopsis. BLACK-EYED SUSAN. See Thunbergia.

Brachycome - Swan River Daisy (A) Free flowering, pretty blue and white flowers, suitable for pots and edgings. 9 inches. Pkt., 10c.

BUTTERFLY FLOWER. See Schizanthus,

Cacalia - Tassel Flower (A) An annual of easy culture, producing yellow and scarlet flowers from June until September. 11/2 feet. Pkt., 10c.

Calceolaria

Beautiful spotted and tigered flowers for the greenhouse and conservatory. The seed we offer is from a European specialist. Pkt., 50c. CALIFORNIA POPPY. See Eschscholtzia.

Calendula - Pot Marigold (A)

A hardy annual blooming profusely from early Summer until frost. Excellent for pots during the Winter and early Spring.

Ball's Improved Orange. Immense double, glistening orange flowers with fine stems. Ideal for cutting. Pkt., 15c; oz., \$1.25.

Orange King. Rich orange-red. Pkt., 10c; oz. 40c.

oz., 40c. Lemon King. Bright sulphur-yellow. Pkt., 10c; oz., 40c. Golden King. Large yellow; long stems. Pkt.,

10c; oz., 40c. Meteor. Striped orange and cream. Pkt., 5c;

oz., 30c.
Nankeen. Creamy yellow. Pkt., 5c; oz., 30c.
Double Mixed. All colors. Pkt., 5c; oz., 25c.

Calliopsis or Coreopsis

ANNUAL VARIETIES—CALLIOPSIS

An excellent flower for massing or cutting, An excellent nower for massing or cutting, producing a wide range of brilliant colors tbroughout the season. 9 to 18 inches. Crimson King. Rich crimson. Pkt., 10c. Crown of Gold. Golden yellow. Pkt., 10c. Golden Wave. Golden yellow, brown center. Pkt., 10c.
Golden Ray. Maroon, edged with yellow. Pkt.,

Dwarf Mixed. All colors. Pkt., 10c; oz., 40c.

PERENNIAL VARIETIES-COREOPSIS

Lanceolata. One of the most desirable hardy plants, producing in profusion bright yellow, showy flowers which are extensively used for cutting. If sown early they will bloom the first season. Pkt., 10c; ½ oz., 25c.

Campanula (B)

Medium or Canterbury Bells. Large, beautiful and easily grown hardy biennials blooming abundantly in May and June.
Single Dark Blue. Pkt., 10c.
Single Light Blue. Pkt., 10c.
Single Rose. Pkt., 10c.
Single Rose. Pkt., 10c.
Single Mitte. Pkt., 10c.
Calycanthema (Cup and Saucer). The finest type of this propular garden plant.

type of this popular garden plant. Blue. Pkt., 10c. Rose Pink. Pkt., 10c. White. Pkt., 10c. Fine Mixed. Pkt., 10c.

Canary Bird Vine - Tropaeolum (A)

Canariense. A tender annual climber of rapid growth bearing golden yellow flowers with fringed petals. Pkt., 10c; oz., 40c.

Candytuft (A)

Umbellata. An attractive hardy annual bearing brilliantly colored flowers in 8 weeks. 1 ft.

1 ft.
Carmine. Pkt., 10c.
Crimson. Pkt., 10c.
Lavender. Pkt., 10c.
Rose Cardinal. Pkt., 10c.
Choice Mixed. Pkt., 5c.
Improved Empress. Giant Hyacinth flowered.

pure white. The best for cutting. Pkt., 10c; 1/2 oz., 40c.

Canna - Indian Shot (A)

Blooms the first season if sown early. Make an incision in the seed with a file and soak in warm water for 24 hours before planting. This hastens germination. Produces broad, massive leaves and spikes of gorgeous flowers.

French Mixed. A fine collection of the dwarf, large flowering type. Pkt., 10c; oz., 25c.

CANTERBURY BELLS. See Campanula.

Cardinal Climber (A)

One of the most beautiful climbers. A rapid grower and reaches a height of 25 or 30 feet in a season. The flowers are a rich cardinal red and bloom until frost. Pkt., 10c. CARDINAL FLOWER. See Lobelia.

Carnation (A)

Marguerite. Delightfully sweet scented flowers of the richest colorings, blooming in 4 to 5 months. Invaluable for the hardy border, greenhouse or garden. Pink, white, red, yellow or mixed colors. Pkt., 10c.

Giant Marguerite (Malmaison). An improved large flowering strain and a good mixture of colors. Pkt., 10c.

CASTOR OIL BEAN. See Ricinus.

Celosia (A)

Cristata (Cockscomb). Attractive free blooming annuals with crested combs and feathery plumes of brilliant colors. Dried for winter bouquets.

Empress. Large size. Rich crimson. Pkt.,

Glasgow Prize. Large, dark crimson. Pkt., 10c. Golden Queen. Large yellow. Pkt., 10c.

Plumosa (Feathered Cockscomb). Pointed plumes of rich color. Very showy summer and fall bedding plants. Crimson, orange, and mixed. Pkt., 10c.

Plumosa Childsi (Chinese Woolflower). The most unusual type of feathered Celosia. 2 to 3 feet bigh. Crimson, pink, yellow. Pkt.,

Centaurea (A)

Cyanus (Cornflower or Bachelor's Button). Hardy annuals of early culture; showy for the garden and fine for cutting. Blooms from June until frost. Double flowering. Blue, rose-pink, white, and mixed. Pkt., 10c.

Imperialis (Royal Sweet Sultans). Wonderful, long-stemmed flowers for cutting. 2 feet. Brilliant rose, dark lavender, deep purple, delicate lilac, pure white and mixed colors. Pkt., 10c.

Pkt., 10c.

Dusty Millers, Used for edging beds and borders in the flower garden. Glistening leaves that provide a suitable contrast to the more colorful flowers in the garden.

Candidissima. Thick silver-white leaves.

1 ft. Pkt., 10c.

Gymnocarpa. Silver, fern-like leaves. Pkt.,

10c. Montana (Perennial Cornflowers). Violet-

blue. Pkt., 10c.
Americana. Rose-lavender. Pkt., 10c.
Suaveolens. Bright yellow. Pkt., 10c.

CHIMNEY BELLFLOWER. See Campanula. CHINESE LANTERN FLOWER. See Physalis



Calliopsis.

Chrysanthemums (A)

They bloom profusely from early Summer until frost. Showy annuals for the border or for cutting. Have daisy-like flowers with long

stems.

Coronarium. Dwarf selected strains of compact habit and with fine double flowers.

Double purple, white, yellow, red or mixed colors. Pkt., 10c.

Leucanthemum (Shasta Daisy). A splendid hardy perennial bearing large white flowers 5 inches across. Fine for cutting. Pkt., 10c.

Cineraria (I)

Palmer's Hybrids. Beautiful house or conservatory plants about 12 inches high covered with flowers of extraordinary size and the most brilliant colors. Sow the seed from May to September for succession.

Prize Dwarf. A strain of exceptional quality. Pkt., 50c.
Prize Tall. Unswrpassed for size and color.
Pkt., 50c.

Clarkia (A)

legans. A quick growing annual adapting itself to sun or shade. The flowers are borne on long stems and are excellent for cutting. 2½ feet. Double Mixed. All colors. Pkt., 10c.

Cleome - Spider Plant (A)

Beautiful rosy-crimson flowers borne on plants $3\frac{1}{2}$ feet tall and very attractive for the shrubbery border. Plant in a warm location. Pkt., 10c.

Cobaea - Cup and Saucer Vine (A)

A rapid climber attaining a height of 30 feet during the season. candens. Large purple bell shaped flowers. Pkt., 10c. Scandens.

Scandens Alba. Pure white flowers. Pkt., 10c. COCKSCOMB. See Celosia.

Coleus (A)

Useful as a pot plant or grown outside in a sunny position. For best results use a moderately rich soil, plenty of humus and a generous portion of sand.

Palmer's Hybrids. Wonderful rich, brilliant colors and markings. Pkt., 15c.



Giant Cosmos.

COLUMBINE. See Aquilegia. CONVOLVULUS. See Morning Glory. COREOPSIS. See Calliopsis. CORNFLOWER. See Centaurea.

Cosmos (A)

Lovely pink, white, and crimson flowers, borne in profusion from July until frost. Popular for cutting.

EXTRA EARLY COSMOS

Crimson, pink, pure white, and mixed colors. Pkt., 10c; ¼ oz., 20c.

EARLY DOUBLE COSMOS

Pink, pure white, crimson, and mixed colors. Pkt., 15c.

GIANT LATE FLOWERING COSMOS Crimson, pink, white, and mixed colors. Pkt., 10c; 1/4 oz., 20c.

COWSLIP. See Primula.

Cyclamen (I)

Giganteum. A prize strain from a noted spe-cialist. The flowers have giant size, ex-quisite forms, and brilliant colors. Pkt., 35c.

Cypress Vine (A)

A popular star shaped climber, producing pretty scarlet and white flowers. Grows 15 feet high. Scarlet, white, and mixed colors. Pkt., 10e; oz., 30e.

DAISY, AFRICAN GOLDEN. See Dimorphotheca.

neca.

DAISY, AFRICAN. See Arctotis.

DAISY, ENGLISH. See Bellis.

DAISY, SHASTA. See Chrysanthemum.

DAISY, SWAN RIVER. See Brachycome.

Dahlia (A) Easily grown from Spring sown seed, frequently producing marvelous blooms the first season. Select single mixed, double mixed and Cactus mixed. Pkt., 10c.

Datura - Angel's Trumpet (A)

A very fragrant, tall growing annual of trumpet shape, blooming freely from July to October. 4 feet. Choice mixed seed. Pkt., 10c.

Delphinium - Hardy Larkspur (P)

An old-fashioned perennial with tall stately spikes 5 to 6 feet high, producing flowers of exquisite colors. Very effective when used as a background for shrubbery borders. Belladonna. Clear, turquoise blue. Pkt., 15c. Bellamosum. Rich, deep blue. Pkt., 15c. Chinense. Gentian blue. Pkt., 10c. Formosum. Rich blue with white centers. Pkt., 10c.

10c. Gold Medal Hybrids. old Medal Hybrids. A highly recommended strain of vigorous habit. The flowers are of immense size, borne on long spikes in the most desired shades of blue, lavender, and other beautiful colorings. Pkt., 15c.

Dianthus - Annual Pinks (A)

These old-fashioned pinks are easily grown and will give a profusion of bloom during late Summer and Fall. 12 inches.

SINGLE ANNUAL PINKS

Nobilis (Royal Pinks). Beautiful rich colors. Pkt., 10c. Heddewigi (Japanese Pinks). Finest mixed.

Pkt., 10c. Princess Pinks. Fringed flowers in a variety of colors. Pkt., 10c.

DOUBLE ANNUAL PINKS

Chinensis (Chinese Pinks). Double mixed.

Pkt., 10c.

Diadematus (Diadem Pinks). Flowers in a wide range of colors. Pkt., 10c.

Heddewigi (Double Japanese Pinks). A choice strain of brilliant mixed colors. Pkt., 10c.

HARDY GARDEN PINKS

Plumarius (Scotch Pinks or Pheasant Eye).
Beautiful single hardy pinks with fringed flowers in varied colors. Pkt., 10c.
Plumarius Semperflorens (Double Hardy Garden Pinks). Beautifully fringed, with wide range of showy colors. Pkt., 10c.

Didiscus - Blue Lace Flower (A)

Coeruleus. An early annual, producing pale blue flowers in abundance from June until September. Excellent for cutting. Pkt., 10c.



Double Annual Pinks.

Digitalis (P)

One of the most popular hardy plants for the tall border.

Gloxinaeflora Mixed. Handsome Gloxinia-like flowers borne on tall spikes, in varied col-ors. Pkt., 10c.

Dimorphotheca (A)

(African Golden Daisy)
Aurantíaca. Showy annual daisies measuring
2½ inches across and possessing a wide range
of beautiful colors. Wonderful for beds and
borders. 12 to 18 inches high. Pkt., 10c.

Dolichos - Hyacinth Bean (A)

A free flowering annual climber with ornamental seed pods. Grows to a height of 10 feet. Daylight. Pure white. Pkt., 10c. Darkness. Pure violet. Pkt., 10c.

DUSTY MILLER. See Centaurea.

EMERALD FEATHER. See Asparagus Spren-

Eschscholtzia (A)

(California Poppy) A showy and free flowering annual of dwarf

A snowy and free howering annual of dwarf spreading habit. Excellent for beds and borders. Sow the seed early in the Spring where the plants are to remain and they will flower until Fall. Grows 1 ft. high. Choice mixed seed. Pkt., 10c.

Euphorbia (A)

(Snow on the Mountain)
A tall annual of branching habit with veined and margined foliage, surmounted with small white flowers. Hence its name. Very effective for beds and borders. Grows 2½ ft. high. Pkt., 10c.

Euphorbia Heterophylla (Mexican Fire Bush). Resembling the Poinsettia in habit and color, with glossy green leaves that change in mid-summer to orange scarlet. Pkt., 10c.

EVERLASTING FLOWERS. See Acroclinium, Globe Amaranth, Helichrysum, Rhodanthe, and Xeranthemum.

PALMER'S Seed Catalog is now ready for mailing and it certainly is a handy book for gardeners -- new varieties -- directions for planting -- and many helpful hints.

SPECIAL 10 PER CENT DISCOUNT will be allowed on orders received before March 15th. All seeds laboratory tested and sold under our famous STRINGLESS GUARANTEE.

We are sending this catalog FREE to all who write for it. Get your copy quick, and start the spring season right by planting PALMER'S SEEDS.

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Formerly SCHISLER-CORNELI SEED COMPANY Gardeners Department

Broadway and Morgan

St. Louis, Mo.





Mr. W. H. Shoemaker,

Horticulturist, U. S. Dept. of Agri,

Washington, D. C.

Ferns

Mixed. Sow the seed in pans or pots in a moist, shady location in a temperature of about 60 degrees. Pkt., 15c.

FEATHERED COCKSCOMB. See Celosia Plu-

Feverfew - Matricaria (P)

Capensis Alba Plena. Excellent double white flowers for bedding or pot culture. They are best treated as annuals in the more northern sections. Pkt., 10c.

FLOWERING MAPLE. See Abutilon. FLOWERING TOBACCO. See Nicotiana.

Four O'clocks - Marvel of Peru (A)

An old-fashioned sweet-scented annual, bearing profusely from July to frost. The flowers are showy and come in a wide range of colors. Set plants 12 inches apart in the border. Grows 2½ ft. high.
Tall Mixed. All colors. Pkt., 10c.

Forget-Me-Not - Myosotis (P)

Attractive dwarf blue flowers that bloom in April, making an effective showing in beds or borders with pansies and spring flowering bulbs. Sow the seed from spring until mid-summer in

Sow the seed from spring until mid-summer in cool, moist soils.
Alpestris Royal Blue. Indigo blue. Pkt., 10c.
Alpestris Victoria. Clear azure blue. Pkt., 10c.
Palustris Semperflorens. Everblooming, from May to Autumn; bright blue. Pkt., 10c.
Choice Mixed. Blue, rose, and white. Pkt., 10c.
FOXGLOVE. See Digitalis.

Geranium (I)

Zonale Mixed. An excellent free flowering strain with showy, rich colors. Pkt., 10c. GIANT SPIDER FLOWER. See Cleome.

Gaillardia - Blanket Flower (A)

Remarkably showy and brilliant annuals blooming from early Summer until late Fall. Used for beds, borders, and for cutting. Picta. Crimson, orange, and mixed colors.

Picta. Crimson, orange, and mixed colors.
Pkt., 10c.
Double Flowering. All colors mixed. Pkt., 10c. Grandiflora Compacta (Perennial). Bushy compact plants 12 to 15 inches tall. Rich crimson and gold colors. Pkt., 10c.

GILLIFLOWER. See Stocks.

Gloxinia (I)

Magnificent free flowering, spotted and self colored pot plants for the greenhouse and con-servatory. Sow the seed in March. Giant Mixed. Exquisite colors. Pkt., 25c.



Perennial Gaillardia.

Godetia - Satin Flower (A)

A showy hardy annual that will thrive in partial shade and poor soil and give a profusion of bloom. Brilliant Azalea-like flowers. Choice all colors. Mixed. Pkt., 10c.

Globe Amaranth (A)

(Gomphrena)

The true Bachelor's Button, resembling clover heads, and used as an everlasting flower, for winter bouquets.
Choice Mixed. Pkt., 10c.

Gourds, Ornamental (A)

Tender annual climbers that form curiously shaped fruits on vines 10 to 20 feet high. Dipper or Calabash. Pkt., 10c. Japanese Nest-Egg. Egg shaped. Pkt., 10c. Hercules Club. Club shaped. 4 ft. long. Pkt., 10c.
Luffa or Dish Rag. Pkt., 10c.
Mock Orange. Orange shaped. Pkt., 10c.
Sugar Trough. Pkt., 10c.
Choice Mixed. All kinds. Pkt., 10c.

Grasses, Ornamental

These grasses are grown for garden decoration and winter bouquets.

Job's Tears (Coix Lachrymae) (A). Broad corn-like leaves. 2 ft. Pkt., 10c.

Zebra Grass (Eulalia Zebrina) (P). Light green leaves with bars across foliage. 6 ft.

Pkt., 10c.

Pampas Grass (Gynerium Argenteum) (P).

White silvery plumes, 5 ft. Pkt., 10c.

Purple Fountain Grass (Pennisetum Rueppelianum) (A). Green foliage and purplish plumes. 3 ft. Pkt., 10c.



Gypsophila-Baby's Breath.

Gypsophila - Baby's Breath

Blooms 6 weeks after the seed is sown. Ef-Blooms to weeks after the seed is sown. Defective when grown with Larkspur, Poppies, and Lupines. Also used as a cut flower with Sweet Peas. Height, 1½ ft. Elegans Alba Grandiflora. Pure white annual prized for cutting. Pkt., 10c. Paniculata. Pure white; hardy perennial. Pkt. 10c.

Pkt., 10c.

Helianthus - Sunflower (A)

An attractive flower with many interesting forms, growing to a height of 3 to 7 ft. Used for cutting and screening unsightly places and objects.

New Miniature Mixed. The most desirable and

New Miniature Mixed. The most desirable and satisfactory varieties of dwarf sunflowers obtainable. Splendid for cutting and bedding. Pkt., 10c.
Double Chrysanthemum Flowered. Double, golden yellow flowers resembling a chrysanthemum. Grows 7 ft. high. Pkt., 10c.
Red Hybrids. Various shades of red. Abundant bloomers. 4 to 6 ft. high. Pkt., 10c.



Helichrysum-Strawflower.

Helichrysum - Strawflowers (A)

The most popular double strawflowers (A)
The most popular double strawflower. Used
by florists for cutting, for vases, baskets and
winter bouquets when dried.
Fireball. Bright red. Pkt., 10c.
Golden Ball. Golden yellow. Pkt., 10c.
Snowball. Pure white. Pkt., 10c.
Rose Queen. Bright rose. Pkt., 10c.
Salmon Queen. Rosy salmon. Pkt., 10c.
Violet Queen. Rich intense violet. Pkt., 10c.
Choice Mixed. All colors, 10c.

SPECIAL COLLECTION

One packet each of the six colors for 50c.

Heliotrope (P)

Sow the seed indoors in February, later transplanting to rich soil in a sunny location with plenty of water. This will insure an abundance of fragrant blooms during the Summer. Lemoine's Giant Mixed. All colors. Pkt., 10c. HESPERIS. See Sweet Rocket.

Giant Hibiscus - Mallow

Bears enormous blooms on long canes 4 to 6 feet in height, from July to September. Attractive shades of pink, white, and crimson. Plant them in a sunny location.
Red, White or Pink. Pkt., 10c.

Hollyhocks (P)

An old favorite perennial with magnificent flowers 3 to 4 inches in diameter and a wide range of colors. Sow the seed from early Spring until August. They will bloom the fol-

lowing year.

Double Varieties. The seed we offer is of the broune varieties. The seed we offer is of the highest quality and the colors are as represented. Bright rose, red, maroon, salmonrose, white or yellow. Pkt., 10c. Superb Mixed. From a special strain of brilliant colors. Pkt., 10c.

Hunnemannia (A)

(Giant Yellow Tulip Poppy) Lovely annuals producing golden yellow flowers on stiff stems. Suited for cutting. 2 feet tall. Pkt., 10c.

Humulus - Japanese Hop Vine (A)

An attractive rapid growing annual climber that will attain 20 to 30 feet in a season. The foliage is beautifully variegated and free from insects. Pkt., 10c.

HYACINTH BEAN. See Dolichos.

IBERIS. See Candytuft.

INDIAN SHOT. See Canna.

Ice Plant (A)

Mesembryanthemum. A beautiful half-hardy annual trailing plant for hanging baskets and the rock garden. Crystal white flowers. Pkt., 10c.

IPOMOEA. See Moonflower, Morning Glory, Cypress Vine, and Cardinal Climber.

JAPANESE HOP VINE. See Humulus.

JOSEPH'S COAT. See Amaranthus.

Kochia - Burning Bush (A)

Trichophylla. A quick-growing, cypress-like annual of pyramidal form attaining a height of 3 feet. Its light green foliage turns to a bright scarlet in the Fall. Pkt., 10c.

Kudzu Vine (P)

Pueraria Thunbergiana. A large leaved, rapid growing hardy climber bearing rosy-purple, pea-shaped flowers in August. Will attain a height of over 25 feet after the first season. Oz., 50c; pkt., 10c.

LARKSPUR, PERENNIAL. See Delphinium.

Annual Larkspur

One of the most popular annuals, producing One of the most popular annuals, producing handsome spikes of attractive flowers in varied colors. Adapted for beds, borders and cutting. Dark blue, rose, carmine, sky blue, soft pink, pure white, and scarlet. Pkt., 10c. Choice, All Colors Mixed. 1/4 oz., 25c; pkt., 10c.

Lantana (I)

Hybrida. A shrubby, half hardy perennial with beautiful flowers resembling verbenas that bloom from spring sown seed.

Choice, all colors mixed. Pkt., 10c.

LADY'S SLIPPER. See Balsam.

Lemon Verbena (A)

Aloysia Citriodora. An old favorite with de-lightfully fragrant foliage. Start the seed indoors early. Pkt., 10c.

Linaria (P)

Cymbalaria (Kenilworth Ivy). A pretty perennial trailing plant, producing bright lilac flowers with a yellow throat. Pkt., 10c.

Linum - Scarlet Flax (A)

An attractive dwarf annual, bearing rich, crimson flowers until frost. 1 ft. Pkt., 10c.



Kochia Tricophylla-Burning Bush.

Lobelia (A)

A beautiful dwarf flowering plant extensively used for hanging baskets, vases, window boxes, and edgings of beds and boiders.

Crystal Palace Compacta. Dark blue. Pkt., 10c. Blue Emperor. Sky blue. Pkt., 10c. Hybrida Sapphire. Deep blue with white eye.

Pkt., 10c.
Erinus Gracilis. Blue trailing variety. Pkt., 10c.

Tenuior. Rich blue with white eye. Pkt., 10c. Mixed Compacta. All colors. Pkt., 10c. LOVE-IN-A-MIST. See Nigella.

Lupine - Lupinus

An attractive flowering annual bearing long, graceful spikes of pea-shaped flowers from June until August. Fine for cutting. Choice Annual Mixed. A splendid selection of colors in this mixture. Grows 2 ft. Pkt.,

10c; 02., 25c.
Polyphyllus Mixed (Perennials). Magnificent spikes of rich colors that will bloom the second season. Grows 3 ft. Pkt., 10c; 0z., 30c.

Lychnis - Maltese Cross (P)

Chalcedonica, Rich scarlet, Pkt., 10c. Viscaria Sp.endens. A showy border plant. Pkt., 10c.

MALLOW. See Hibiscus.



Hibiscus-Marshmallow.

Marigold

For large beds the African Marigold will be found most effective. It produces large balls of golden and lemon colored flowers. The French dwarf varieties are excellent for edging.

DOUBLE AFRICAN MARIGOLD
El Dorado. Double golden yellow, imbricated flowers of immense size. Grows 3 ft. high. Pkt., 10c.

Lemon Queen. The finest double lemon yellow.

Pkt., 10c.

Orange Prince. Intense rich orange double flowers of immense size. Generally conceded to be the best Marigold. Pkt., 10c.

African Tall Double Mixed. All colors. Pkt.,

French Dwarf Double Mixed. All colors. Pkt.,

Legion of Honor (Little Brownie). Marigold of bushy habit, with golden yellow flowers and a velvety, crimson spot at the top of each petal. Fine for borders, growing to a height of 9 inches. Pkt., 10c.

MATRICARIA. See Feverfew. MARVEL OF PERU. See Four O'Clocks. MESEMBRYANTHEMUM. See Ice Plant, MEXICAN FIRE BUSH. See Euphorbia.

Mimulus (P)

Showy half hardy perennial plants for green-house or shaded locations. Grows 1 ft. high. Tigrinus (Monkey Flower). Mixed spotted va-rieties. Pkt., 10c. Moschatus (Musk Plant). Musk scented foli-age with small yellow flowers. Pkt., 10c.



Mignonette, Goliath.

Mignonette - Reseda (A)

An old favorite, producing large trusses of delightfully fragrant spikes of bloom. Used largely for cutting.

Defiance. Large fragrant spikes, 12 to 15 inches long and an excellent keeper. Pkt.,

Golden Machet. A decided improvement on the old Machet variety. Very fragrant and a free bloomer. Pkt., 10c.
Red Goliath. Giant spikes, fragrant, and very brilliant colorings. Pkt., 10c.
Large Flowering Mixed. A choice mixture of the best varieties. Pkt., 10c.

Moonflower - Ipomoea (A)

Grandiflora. Beautiful rapid climbers reaching a height of 20 to 30 ft. Their luxuriant foli-age affords dense shade. Start the seeds in-doors about the middle of March, soaking them 5 hours in warm water first to hasten

White Seeded. Beautiful white flowers measuring 6 inches across. Pkt., 10c. Heavenly Blue (Rubro Coerulea). Immense

sky-blue flowers 5 to 6 inches across. Pkt..

New Cross-Bred. One month earlier than the White Seeded. Large pure white flowers.

Morning Glory - Ipomoea (A)

Imperialis (Japanese Morning Glory). Rapid growing climbers used for trellises, arbors, walls, and unsightly places. The flowers are of imemuse size, beautifully variegated, mot-tled and fringed in exquisite colorings. Pkt., 10c; oz., 30c.

Common Mixed Morning Glory (Convolvulus Major). Pkt., 10c; oz., 15c.

MYOSOTIS. See Forget-Me-Nots. MOMORDICA. See Balsam Apple and Pear. MONKEY FLOWER. See Mimulus. MONKSHOOD. See Aconitum. MOURNING BRIDE. See Scabiosa.

MUSK PLANT. See Mimulus.



Marvelous Double Fringed Petunias.

Nasturtiums (A)

Brilliant annuals of compact growth that will thrive in comparatively poor soils. Excel-lent for borders and for cutting, and if given a sunny position will bloom until frost.

PALMER'S DWARF NASTURTIUMS

Chameleon. Many varied colors on each plant.

Pkt., 5c. Crystal Palace Gem. Dark red flowers with yellow blotches. Pkt., 5c. Empress of India. Deep crimson, dark leaved.

Golden King. Rich golden yellow. Pkt., 5c. King of Tom Thumbs, Scarlet. Pkt., 5c. King Theodore. Crimson flowers, dark foliage.

Pkt., 5c.
Pearl or Moonlight, White flowers. Pkt., 5c.
Palmer's Brilliant Dwarf Mixed, Pkt., 5c; oz., 15c; 1/4 lb., 50c.

TALL OR CLIMBING NASTURTIUMS

Chameleon. Combination red and yellow shades.

Chameleon. Combination red and yellow shades. Pkt., 5c.
Golden Leaved. Scarlet. Pkt., 5c.
Jupiter. Golden yellow, large flowers. Pkt., 5c.
King Theodore. Crimson. Pkt., 5c.
Pearl or Moonlight. White flowers. Pkt., 5c.
Vesuvius. Salmon. Pkt., 5c.
Variegated Mixed. Pkt., 5c; 0z., 15c; ½ lb., 40c.
Lobb's Nasturtium. The foliage and flowers of this type are somewhat smaller than the tall nasturtiums but the colors are more brilliant and the blooms more abundant. 6 to 8 feet. and the blooms more abundant. 6 to 8 feet. Lobb's Finest Mixed. Pkt., 5c; oz., 15c; 1/4 lb.,

Nicotiana (A) (Ornamental Tobacco)

Attactive flowers in form and color, emitting Affactive nowers in form and color, emitting a delightful fragrance in the evening. Bears profusely on tall stems about 3 feet high. Affinis. Pure white, sweet scented, star shaped flowers. Pkt., 10c.

Sanderae. Brilliant carmine-red. Pkt., 10c.

Nigella - Love-in-a-Mist (A)

Damascena. A beautiful hardy annual of bushy, compact habit, producing lovely blue and white flowers. Grows about 1 foot high. Mixed Colors. Ptt., 10c.
Miss Jekyll. A gorgeous variety with blue flowers resembling Cornflowers, and mist-like foliage. Excellent for cutting. Pkt., 10c.

Pansy (A)

For best results give Pansies a rich, loamy soil in a moist shady location. Sow the seed in July and August for spring flowers. For summer blooming sow in April. Leaf mould and well decayed cow manure, deeply dug, will give excellent results. Pansies will do better in an open exposure than in the shade.

THE WORLD'S BEST GIANT PANSIES

Palmer's Exhibition Mixture. Comprising the finest European and American strains obtainable. For size, heavy texture, and magnificent colorings they cannot be surpassed. Pkt.,

Steele's Mastodon Miracle Mixed. A giant strain of exceptional quality. We have the introducer's stock. Pkt., 35c.

Masterpiece (Frilled Pansy). Beautiful curled and waved Giant pansies in a wide range of exquisite colors. Pkt., 15c. Cassier's Giant. Superb blotched varieties.

Pkt., 15c.

Madame Perret. A superior French strain coming in red or wine shades. Very fine. Pkt., 15c.

STANDARD GIANT PANSIES

Cardinal. Rich red. Pkt., 10c.
Adonis. Lavender blue. Pkt., 10c.
Golden Queen. Rich yellow. Pkt., 10c.
Reyal Blue. Rich blue. Pkt., 10c.
Lord Beaconsfield. Deep violet shading to white. Pkt., 10c.
Snow Queen. Pure white. Pkt., 10c.
White. Pure white with purple eye. Pkt., 10c.
Yellow. Rich yellow with dark center. Pkt., 10c.

Trimardeau Mixed. A popular strain of immense size and rich colors. Pkt., 10c; 1/4 oz.,

English Finest Mixed. Pkt., 10c; ¼ oz., 50c. Palmer's Fine Mixed. All colors. Pkt., 10c; ¼ oz., 50c.

Viola or Tufted Pansies

The Violas are more colorful and more abundant bloomers than the regular Pansies, and splendidly adapted for bedding. Grow 6 inches

Choice Mixed. All colors. Pkt., 10c.

Petunias (A)

LARGE FLOWERING SINGLE VARIETIES California Giants. Large flowers with yellow throats in an assortment of beautiful colors and markings. Pkt., 25c.

Ruffled Giants. A wonderful giant strain of the most exquisite blotched and marbled markings. Pkt., 25c.
Fringed Ruffled Giants. A marvelous strain of handsome fringed and ruffled flowers of extending and brilliant colors.

traordinary size and brilliant colors.

Double Fringed, A superb large flowering strain of unsurpassed quality secured from an eminent specialist. Pkt., 35c. Double Mixed. Large flowers with gorgeous colors and markings. Pkt., 25c.

Balcony Petunias

LARGE FLOWERING VARIETIES

Large flowers averaging 3 inches in diameter. Particularly desirable for window or porch

boxes,
Blue, Crimson, and White. Pkt., 15c.
All Colors. Mixed. Pkt., 15c; ¼ oz., 75c.

SINGLE BEDDING PETUNIAS

Free flowering, showy varieties for beds, borders, and window boxes. They produce continuous blooms until frost.

theis, and window boxes. They produce continuous blooms until frost.

Rosy Morn. Soft rose-pink with white throat.

Pkt., 10c; ½, oz., 50c.

Rose of Heaven. Brilliant rich rose. Pkt., 10c;
½, oz., 50c.

Howard's Star. Rich crimson with white star center. Pkt., 10c; ½, oz., 50c.

Snowball. Pure white. Pkt., 10c; ½, oz., 50c.

Violet Queen. Rich violet-blue. Pkt., 10c;
½, oz., 50c.

Striped and Blotched. Beautiful striped and blotched varieties. Pkt., 10c; ½, oz., 50c.

Palmer's Fine Mixed. Comprising many beautiful colors in a variety of combinations. Pkt., 10c; ½ oz., 25c; ½ oz., 40c.

Phlox (A)

Drummondi, Brilliant annuals of simple culture if planted in a sunny location and in light loamy soil. They bloom continuously until frost. Used extensively in borders and

LARGE FLOWERING

White, scarlet, deep rose, shell pink and yellow.

White, scarlet, deep rose, shell pink and yellow. Pkt., 10c; ½, oz., 50c.

Large Flowering. Choice mixed. Pkt., 10c; ½, oz., 40c; oz., \$1.25.

Star Phlox (Phlox Cuspidata). Beautiful star shaped flowers in many colors. Special mixed. Pkt., 10c; ½, oz., 40c.

Hardy Perennial Phlox (Phlox Decussata). Splendid hardy border flowers. A choice mixture of superb quality. Pkt. 10c; ½, oz.

Splendid hardy border flowers. A choice mixture of superb quality. Pkt., 10c; 1/4 oz., 40c.

Physalis (I) (Chinese Lantern Plant)

Interesting ornamental plants with bright lantern-like fruits which are used for winter bouquets. 2 feet. Pkt., 10c.

PINCUSHION FLOWER. See Scabiosa. PAINTED TONGUE. See Salpiglossis. PAPAVER. See Poppy. PERIWINKLE. See Vinca. PINKS. See Dianthus.

Portulaca (A)

A favorite hardy annual that thrives during the hottest weather and in almost any situa-tion. Produces brilliant blooms in profusion throughout the Summer and Fall. Single Mixed. All colors. Pkt., 10c; ¼ oz., 20c;

oz., 50c.

Double Mixed. Unsurpassed in brilliancy of colors. Pkt., 10c; ¼ oz., 75c.

Poppy

ANNUAL VARIETIES

American Legion. Dazzling orange-scarlet. Pkt., 10c.

Danebrog or Danish Cross. Bright scarlet with silvery white spots on petals. Pkt., 10c. Tulip Flowered Scarlet. Resembles a scarlet

Tulip Flowered Scarlet. Resembles a scarlet tulip. Pkt., 10c.
Carnation Flowered Mixed. Double fringed flowers. Pkt., 10c; oz., 25c.
Peony Flowered Mixed, Showy double flowers resembling a peony. Pkt., 10c.
Select Shirley Mixed. An improved strain of this lovely poppy. Pkt., 10c.
Single Mixed. All colors. Pkt., 10c.

HARDY PERENNIAL POPPIES

New Hybrid Iceland (P. Nudicaule). Will give a profusion of brilliant bloom the first season. Grows 12 inches high and is excellent for cutting. Pkt., 15c.
Orientale. Very showy, orange-scarlet flowers with black blotches. 2½ feet. Pkt., 15c.
Oriental Mixed Hybrids. Embracing the best named hardy varieties. Pkt., 15c.



Palmer's Dwarf Nasturtiums.

Primula - Primrose (I)

The Chinese Primrose is one of the most beautiful plants for the home or conservatory during the winter months. Sow the seed in

March or April.

Giant Flowering Chinese. Large trusses of fringed flowers in a wonderful variety of

colors. Pkt. 25c.

Obconica Gigantea Mixed. A large flowering variety in choice colors. Pkt., 15c.

Malacoides (Improved Baby Primrose). A beautiful house plant of delicate lilac color. Pkt., 15c.

Vulgaris (English Primrose). Hardy, canary yellow. Pkt., 10c.
Veris (Cowslip). A mixture of hardy, fragrant

flowers in a variety of colors. Pkt., 15c. Pyrethrum - Feverfew (P)

Aureum (Golden Feather). Fine for edging or carpet bedding. Grows 6 inches high. Pkt., 10c.

Hybridum. Fancy single mixed varieties. Pkt.,

POINSETTIA, ANNUAL. See Euphorbia. PUERARIA. See Kudzu Vine. PRIMROSE. See Primula.

Rhodanthe (A)

A popular dwarf everlasting for the border or for pot culture. Grows 1 foot high. Fine mixed. Pkt., 10c.

Ricinus - Castor Oil Bean (A)

The plants grow 5 to 10 feet high, making a spreading growth and a picturesque appearance. Very effective for lawns or center beds.

Set the plants 5 feet apart. Borboniensis. Large green foliage. Pkt., 5c; oz., 15c.

Cambodgensis Black foliage. 5 feet. Pkt., 5c; oz., 15c. Gibsoni. Red foliage. 5 feet. Pkt., 5c; oz.,

Zanzibariensis. Mammoth plants with foliage in beautiful mixed colors. Pkt., 10c; oz., 20c. All Colors Mixed. Pkt., 5c; oz., 15c.

RESEDA. See Mignonette. ROCK CRESS. See Arabis. SATIN FLOWER. See Godetia.

Salpiglossis - Velvet Flower (A)

A lovely annual bearing in profusion from midsummer until frost. The flowers have the most brilliant colorings. Large Flowering Mixed. Pkt., 10c.

Scabiosa - Mourning Bride (A)

Also known as "Pincushion Flower." One of the most popular annuals for bedding, borders, and cutting 2½ ft. Crimson, black purple, layender, rose, and white. Pkt., 10c;

1/4 oz., 30c. Palmer's All Colors Mixed. Pkt., 10c; 1/4 oz.,



Cut-and-Come-Again Stocks.

Salvia (A)

For striking color effect the Salvia is unsurpassed with its brilliant spikes of bloom. The plants attain a height of 3 to 4 feet and are plants attain a height of 3 to 4 feet and are very effective when used in connection with cannas for summer bedding. They bloom until frost. Sow the seeds indoors early in March. Splendens (Scarlet Sage). Large brilliant scarlet flowers borne on tall bushy plants. 4 feet. Pkt., 10c; ½, oz., 40c.

America. Brilliant scarlet flowers on compact bushy plants. Extremely early. 2 ft. Pkt., 10c; ½, oz., 75c.

Bonfire. The finest Salvia for bedding. Of compact habit with abundant dark ereen foli-

pact habit with abundant dark green foliage. Flowers are a brilliant scarlet. Pkt., 10c; 1/8 oz., 75c.

Scarlet Runner Bean (A)

An ornamental climber of quick growth producing tender edible pods and bright scarlet flowers. Pkt., 10c.

(Butterfly Flower)

Schizanthus (A)

Beautifully marked blooms, resembling butterflies, grown on compact bushes 2 feet high. Sow outdoors in April.

Large Flowering Mixed. Pkt., 10c.



Sweet William-An Old Time Favorite.

Sensitive Plant (A) (Mimosa)

Pudica. An interesting plant pearing pink flowers which are extremely sensitive when touched, and causes them to droop.

Smilax (P)

A graceful climber for greenhouse or conservatory. Excellent for bouquets. Pkt., 10c.

Solanum - Jerusalem Cherry (I)

An ornamental pot plant of dwarf, branching habit. Produces bright scarlet globular berries. 1 foot. Pkt., 10c.

Statice - Sea Lavender (A)

Extremely showy flowers, borne in attractive clusters. They are cut and dried like Everlastings. Free bloomers and fine for cutting or winter bouquets. 1 to 2 ft. Sinuata Rosea. Light rose. Pkt., 10c; ¼ oz.,

Sinuata Blue. Beautiful blue. Pkt., 10c; 1/4 oz., 25c.

Sinuata Suworowi. Deep pink. Pkt., 10c; 1/4 oz., 25c. oz., 23c. Sinuata Mixed Colors. Pkt., 10c; 1/4 oz., 25c. Latifolia. (Perennial). Purplish blue. Pkt., 10c; 1/4 oz., 40c.



Scabiosa-Mourning Bride.

SNAPDRAGON. See Antirrhinum. SNOW-ON-THE-MOUNTAIN. See Euphorbia. STRAWFLOWER. See Helichrysum. SPIDER FLOWER. See Cleome. SUMMER CRESS. See Kochia. SUNFLOWER. See Helianthus.

Stevia (I)

errata. Fragrant white flowers for summer or winter blooming. Extensively used for cutting. Pkt., 10c. Serrata.

Stocks (A) LARGE FLOWERING TEN WEEK

Delightfully fragrant annuals of long duration of bloom. They have brilliant colors and are excellent for bedding or pots. Blood red, lavender, bright pink, white, and canary yellow. Pkt., 10c. Large Flowering Mixed. Pkt., 10c; 1/8 oz., 40c.

CUT-AND-COME-AGAIN STOCKS

Princess Alice. Double pure white fragrant flowers of branching habit. Fine for cutting. Pkt., 10c; 1-16 oz., 50c.

Stokesia Cornflower Aster (P)

Cyanea. A beautiful hardy plant bearing pro-fusely handsome lavender flowers from July to October. Splendid for cutting. 2 feet. Pkt., 10c.

Sweet Rocket - Hesperis (P)

An excellent hardy plant growing 2 to 3 feet tall, and bearing fragrant white and purple flowers. Pkt., 10c.

Sweet William (P)

Dianthus Barbatus. One of the best known of the hardy garden plants, bearing in profu-sion a great diversity of brilliant colors. Splendid for beds or planted in shrubbery.

Pink Beauty (Newport Pink). Salmon-rose. Pkt., 10c. Scarlet Beauty. Rich deep scarlet. Pkt., 10c. Holborn Glory (Auricula-Flowered). Large flowers in a wide range of colors. Pkt., 10c. 10c. 10c. 10c.

10c; ¼ oz., 40c. Single Mixed. All colors. Pkt., 10c; ¼ oz.,

Double Mixed. An improved large flowering strain in beautiful colors. Pkt., 10c; ¼

Latifolius Atrococcineus fl. pl. (Everblooming Hybrid Sweet William). A very effective hardy perennial with dark crimson flowers. Pkt., 10c; 1/4 oz., 40c.



A veritable rainbow of coloring comprising the most recent novelties of merit and must not be confounded with the Grandiflora type which it has superseded.

Crimson King. Conceded to be the finest rich crimson offered; of vigorous growth bearing in profusion on long stems. Pkt., 10c.

Austin Frederick. Improved giant; soft lav-ender of perfect form. Pkt., 10c.

Blanche Ferry Spencer. Pink and white wavy flowers. Pkt., 10c.

Barbara, Lovely; soft salmon. Pkt., 10c.

Constance Hinton. Large wavy white flowers, borne on sprays of fours and fives on strong stems. Pkt., 10c.

Elfrida Pearson. The finest blush pink, large flowers and vigorous grower with strong stems. Pkt., 10c.

Giant White. Giant flowers of exquisite form, very fine. Pkt., 10c.

Hawlmark Pink. Rich deep salmon-pink. Pkt., 10c.

King Mauve. Very mauve. Pkt., 10c. Very attractive, largest waved

Matchless. The best cream yellow, flowers large and frilled. Pkt., 10c. Powerscourt. The finest pure lavender, giant

flowers beautifully waved. Pkt., 10c.

Picture. Giant La France, pink flowers suffused with apricot. A recent introduction of exceptional merit. Pkt., 10c.

Royal Purple. Rich purple blooms borne profusely in fours on strong stems. Pkt., 10c. Palmer's Orchid Flowered or Spencer Mixed. The most brilliant and up-to-date blend offered by a noted specialist, comprising many of the newest novelties. Pkt., 10c; oz., 15c; 34 oz., 50c; lb., \$1.50.

Palmer's Large Flowering Mixture. Comprising an unrivaled blending of the Grandiflora varieties. Pkt., 5c; oz., 10c; 1/4 lb., 25c; lb.,

Thunbergia (A)

(Black-Eved Susan) A beautiful, graceful climber of rapid growth. Orange, buff, and white flowers with dark eyes. Used for baskets, porch boxes and trellises.

Mixed Colors. Pkt., 10c.

Vinca - Periwinkle (A)

Bright annuals of compact growth with glossy green leaves and showy flowers. Excellent for beds, borders, and window boxes.

Rosea Alba. White, crimson eye. Pkt., 10c. Rosea Alba Pura. Pure white. Pkt., 10c. Rosea Mixed. All the colors. Pkt., 10c; 1/4 oz.,

Palmer's Mammoth Verbenas

(A) We offer the best strain of Mammoth Ver-

bens obtainable, some of the large individual blooms measuring almost an inch across. For brilliancy of coloring they cannot be surpassed. Sow early in the house or hotbed for best re-

Blue. Light and medium shades. Pkt., 10c.

Lucifer. Deep scarlet. Pkt., 10c. Pink. Various shades. Pkt., 10c.

Purple. Dark blue and purple. Pkt., 10c.

Scarlet. Pkt., 10c.

White. Pure white. Pkt., 10c.

Palmer's Mammoth Mixed. Brilliant mixture. Pkt., 10c; 1/4 oz., 40c; oz., \$1.50.

Wallflower (P)

A popular free blooming scented half-hardy perennial with spikes of beautiful flowers. cellent for pots, beds, borders, and for cutting. Single Mixed. All colors. Pkt., 10c; 1/4 oz.,

Double Flowering. Finest mixed. Pkt., 10c.

Wild Flower Garden (A)

A mixture of annuals that will give a wealth of bloom throughout the season till frost. Excellent for beautifying the unsightly parts of the garden. Pkt., 10c; oz., 25c.

WINDFLOWER. See Anemone.

Xeranthmum (A)

A pretty Everlasting about 2 feet tall in various colors blooming from July until frost. The flowers are dried and used for winter bouquets. Pkt., 10c.

YARROW. See Acbillea.

YELLOW TULIP POPPY. See Hun-

Special Prize For 5 Names

Send us five names of the leading famsend us now names of the leading families in your neighborhood who plant vegetables and flowers and we will send you a packet of the most beautiful Zinnia—Dahlia Flower Mixed—regular value, 20c. When submitting names mention post office and R. F. D.

Zinnias (A)

DOUBLE DAHLIA FLOWERED Without question the finest mammotb strain of Zinnias ever offered. The immense flowers measure 5 to 8 inches across, and bear in pro-fusion a wide range of exquisite colors.

Canary Bird. Delicate shade of primrose, very large. Pkt., 15c.

Crimson Monarch. The largest and best crimson. Pkt., 15c.

A fine deep lavender, turning to pur-Dream. ple. Pkt., 15c.

Exquisite. Rich rose pink. Pkt., 15c.

Illumination. A striking self-color of Tyrian rose. Pkt., 15c. Old Rose. Old rose. Pkt., 15c.

Oriole. Orange and gold, the most beautiful of its class. Pkt., 15c.
Polar Bear. The best pure white. Pkt., 15c.

Scarlet Flame. Fiery scarlet. Pkt., 15c.

Scollection. One packet of each of the above 9 sorts. \$1.00.
Dahlia Flowered Mixed. All colors. Pkt., 15c; 1/4 oz., 50c; oz., \$1.50.

GIANT MAMMOTH DOUBLE ZINNIAS

An improved strain of Giant Zinnias of robust habit; immense flowers 5 to 6 inches across, having small centers, wavy imbricated petals and graceful forms, eliminating the stiff and unattractive appearance of the old Plenissima type.

Orange King. Rich golden orange. Pkt., 10c;

1/4 0z., 40c.

Rose Queen. Deep rose. Pkt., 10c; 1/4 0z., 40c.

Purity. Pure white. Pkt., 10c; 1/4 0z., 40c.

Miss Wilmott. Soft pink. Pkt., 10c; 1/4 0z., 40c. Lemon Queen. Bright primrose or canary yellow. Pkt., 10c; 1/4 oz., 40c. Crimson. Showy crimson scarlet. Pkt., 10c;

Crimson. Showy crimson scarlet. Pkt., 10c; 1/4 oz., 40c.
Salmon. Salmon-pink, fine for cutting. Pkt., 10c; 1/4 oz., 40c.
Giant Mixed. All colors. Pkt., 10c; 1/4 oz.,

35c; oz., \$1.25.

LARGE FLOWERING DWARF DOUBLE ZINNIAS

Busby, compact plants, 2 feet high with large double flowers, excellent for bedding. Canary-Yellow. Pkt., 10c.
Flesh-Pink. Pkt., 10c.
Orange, Pkt., 10c.
Scarlet. Golden orange, Pkt., 10c.
Salmon-Rose. Very popular bedder. Pkt., 10c.
White. Pkt., 10c.

Scarner. Golden orange. Pkt., 10c. Salmon-Rose. Very popular bedder. Pkt., 10c. White. Pkt., 10c. Finest Mixed. All colors. Pkt., 10c; 1/4 oz., 20c; oz., 50c.

POPULAR ZINNIAS

Curled and Crested. A brilliant strain of curled, crested, and twisted petals in vari-ous colors. Pkt., 10c; ¼ oz., 25c. Picotee. Beautiful double giant fringed flowers

with a good range of unique colors. Pkt.,

15c; 1/4 oz., 50c. Victory. Densely double quilled flowers in old Pkt., 15c;

rose and other autumn tints. 1/4 oz., 50c.



Dahlia-Flowered Zinnia.



White Dahlia.

Select Dahlias

We offer a large assortment of selected field grown roots of the different classes under the following separate colors: Red, pink, white and yellow. 25c each; \$2.50 per doz.

Upon request we shall be glad to quote you on any specific named varieties that you may desire.

Palmer's Select Bulbs and Roots

Amaryllis

Giant Hybrids. One of the best window plants of the easiest culture, producing giant flowers of wondrous beauty in various colors.

Large bulbs, in mixture only. 75c each; \$7.50 per doz.

Calla Lily

Golden Yellow (Elliottiana). As large as the white Calla but the color is a lustrous yellow, contrasting with its dark green foliage, with white spots. 25c each; \$2.50 per



Amaryllis.

Caladium or Elephant's Ear

Excellent to give your lawn a tropical effect with their wide spreading leaves. Plant early, give them rich soil and a generous supply of water. First size, 10c each; \$1.00 per doz. Medium size, 25c each; \$2.50 per doz. Large size, 40c each; \$4.00 per doz.

Large-Flowering Cannas

These magnificent Summer flowering plants ranging in height from 3 to 6 feet are most effective when planted on the lawn in groups, circular beds, or along the border.

City of Portland. 3½ feet. Large flowers, glowing shade of pink. 20c each; \$2.00 per doz.

Eureka. Beautiful, large white. 4½ feet. 20c each; \$2.00 per doz.

Hungaria. 3½ feet. One of the best pinks; large flowers. 35c each; \$3.00 per doz.

King Humbert. 4 to 5 feet. Orange-scarlet flowers; the most popular bronze foliaged canna. 15c each; \$1.50 per doz.

King Midas. 5 feet. Rich deep yellow. 15c each; \$1.50 per doz.

Mrs. Alfred Conard. 4 feet. Fine large flowers, salmon-pink. 30c each; \$2.50 per doz.

Richard Wallace. 5 feet. Fine light yellow. 15c each; \$1.50 per doz.

Yellow King Humbert. 4 feet. Yellow flowers with red blotches; green foliage. 15c each; \$1.50 per doz.

\$1.00 per doz.

Cinnamon Vine Hardy white, sweet scented climber with cinnamon-like odor; attaining 15 to 25 feet when established. 10c each;

Madeira or Mexican Vine

Fragrant white flowers with clean, glossy green foliage, free from insects. 10c each; \$1.00 per doz.; \$5.50 per 100.

Hardy Lilies

Magnificent giant flowering lilies blooming in July and August. Delightfully fragrant.

Lilium Speciosum Roseum. Rose-white with crimson spots.

Lilium Speciosum Album. White with greenish band through petals.

Lilium Auratum (The Golden-Banded Lily of Japan). Large, fragrant white flowers, with chocolate crimson spots and golden yellow band through center of petals. One of the finest.

Hansoni. Reddish orange.

Henryi. Rich apricot yellow with brown spots; 3 to 5 feet high.

Price of above Lilies, 50c each; \$5.50 per doz.



Calla Lilies.

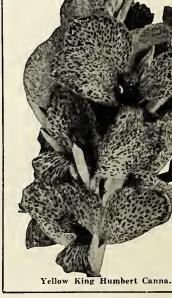
Tuberoses

Double Pearl. Selected bulbs. Delightfully sweet scented white flowers. Plant early in May. 10c each; 85c per doz.; \$5.50 per 100.

Regal Lilv (Myriophyllum)

Truly a royal lily of western China origin. A vigorous grower with strong, sturdy stems producing 18 to 20 sweet scented flowers in a season when well established. The center of the trumpet is flushed with yellow, shading to white at the outer edges and contrasting effectively with the wine color of the reverse petals and the beautiful gold shading of the throat. Blooms in July. Plant 8 or 9 inches deep in a layer of dry sand, giving good drainage. Strong flowering bulbs, 50c each; \$5.00 per doz.

HARDY PLANTS AND SHRUBS Our descriptive catalog of Hardy Roses, Shrubs, Plants and Evergreens will be mailed on request.



Regal Lily.

Palmer's Double Sweet-Scented

The varieties listed below have been selected carefully with a view of giving freedom of bloom, sturdiness of habit, good range of color, large flowers, and delicious fragrance. When planting do not cover the eyes with more than 2½ to 3 inches of soil as deep planting affects the bloom.

Duke of Wellington. Very large, well formed sulphur white bloom with long stems.

Each, 50c; doz., \$5.50.

Edulis Superba. Bright clear pink, with silvery reflex. Flowers for Memorial Day. Fragrant. Each, 50c; doz., \$5.50.

Felix Crousse. The best dazzling red. Each, 75c; doz., \$8.00.

Festiva Maxima. Immense flowers 7 to 8 inches across. Snow white flecked with crimson.

Each, 75c; doz., \$8.00. vingstone. Very massive light pink of the highest class. Rose shape, Free, vigorous

Livingstone. Very massive light pink of the highest class. Rose shape. Free, vigorous bloomer. Each, \$1.00; doz., \$11.00.

Mad. Forel. Immense, compact, bell-shaped blooms, clear, deep rose, strong stems, very fragrant. Each, \$1.00; doz., \$11.00.

M. Jules Elie. Large flowers of lilac blue, one of the best. Each, 75c; doz., \$8.00.

Marie Lemoine. Large compact, pure white with creamy white center and carmine tips.

Each, 75c; doz., 88.00.

M. Dupont. Large ivory-white center petals, splashed carmine. Each, 50c; doz., Princess Beatrice. Large violet-rose with crimson flecks. Each, 50c; doz., \$5.50. L'Indispensable. Large clear shell pink. Pkt., 50c; doz., \$5.50. Delachei. Large violet-crimson, fine flower Each, 50c; doz., \$5.50. If desired by Parcel Post add 25c for postage to the dozen rate. Each. 50c; doz., \$5.50.

Palmer's Gorgeous

A rainbow assortment that will beautify your garden or woodland walks, and delight you with their wondrous range of exquisite colors and fragrance.

S. denotes standards or upper petals.

F. denotes falls or lower petals.

Aurea. Beautiful chrome yellow.

Caprice. S. rosy red; F. deeper rosy red.

Eldorado. S. yellow-bronze and heliotrope; F. bright violet-purple.

Florentina Alba. Creamy white, faintly flushed lavender; very fragrant.

Her Majesty. S. lovely rose-pink; F. bright crimson tinted a brighter shade; a most beautiful variety.

Lohengrin. S. and F. uniform soft shade of cattleya-rose. Very large flower. Strong grower and exceedingly free bloomer.

Loreley. S. light yellow; F. ultramarine, bordered with cream. One of the most popular of this type.

Nibelungen. S. fawn-yellow; F. violet purple with fawn margin; very handsome. Pallida Dalmatica. S. lavender; F. clear deep lavender;

flowers extra large and fine.

Parisiana. Lavender pink and creamy white, very striking and effective.

Princess Victoria Louise. S. sulphur yellow; F. rich plum, border cream.

Rhein Nixe. S. ivory-white; F. mauve, edged and reticulated white; very distinct and beautiful.

Japanese Iris (Kaempferi). Large showy flowers of rich apanese Ins (Kaempieeri). Large snowy howers of rich coloring and beauty, blooming in June and July. Choice varieties in splendid mixture. Each, 25c; doz., \$2.50.



Peony, Livingstone.





Iris Germanica.

Palmer's Superb Gladioli

The Gladiolus is doubtless one of the most popular and attractive flowers in our gardens, and is grown more extensively every season for bedding and cutting. We offer the finest quality and varieties obtainable which will give the best results.

THE BEST LARGE FLOWERING VARIETIES FOR SHOW OR CUTTING

Add 25c to 100 rate if sent by Parcel Post.

America. Beautiful soft pink. Doz., 60c; 100, \$4.00. Anna Eberius. Dark velvety purple. Doz., 90c; 100,

Evelyn Kirtland. Ros: Doz., 60c; 100, \$4.50. Rosy pink with scarlet blotches.

Flora. Large golden yellow. Doz., 90c; 100, \$6.00. Gretchen Zang. Lovely soft pink with scarlet markings. Doz., 75c; 100, \$5.00.

Herada. Pure mauve with deeper markings in the throat. Doz., 75c; 100, \$5.50.

Le Marechal Foch. Large rose-pink, very early. Doz., 60c; 100, \$4.00.

Mrs. Francis King. Light scarlet or flame color. Doz., 60c; 100, \$4.50.

Mrs. Frank Pendleton. Salmon-pink with deep red blotches in the throat. Doz., 75c; 100, \$5.00.

Panama. Rich rose-pink. Doz., 60c; 100, \$4.00.

Peace. Large white with touch of carmine in the throat. Doz., 75c; 100, \$5.50.

Prince of Wales. Delicate apricot pink, suffused salmon. Doz., 75c; 100, \$5.00.

War. Lovely rich crimson. Doz., \$1.00; 100, \$7.00.

Halley. Delicate salmon-pink, early. Doz., 69c; 100,

Schwaben, One of the best yellow sorts. Doz., 60c;

Wilbrinck Gladiolus.

Wilbrinck Gladiolus.

Wilbrinck Gladiolus.

Primulinus Hybrids Mixed.

produced on strong slender spikes. An ideal strain for cutting or making showy display. Doz., 50c; 100, \$3.50.

Palmer's Super Mixture. As its name implies this mixture comprises varieties of special merit that will please the most critical grower either for cutting or bedding.

Doz., 75c; 100, \$4.00.

Palmer's Special Mixture. We offer this carefully blended mixture with the assurance that it will give the utmost satisfaction. Doz., 50c; 100, \$3.00. Single Bulbs of the above, 10c each, prepaid.

Alice Tiplady. Beautiful orange-saffron; early. Doz., 90c; 100, \$6.00. Crimson Glow. Splendid deep crimson. Valuable cut flower. Each, 90c; doz., \$6.50. Louise. Exquisite clear lavender. Doz., \$1.00; 100, \$7.50. 1910 Rose, Pure rose pink, with white line through center of lower petal, very early. Doz., 70c; 100, \$4.75.

Virginia. Large dazzling scarlet, very attractive. Doz., \$1.00; 100, \$7.50.

RECLEANED AND TESTED

Farm

High Quality



Seeds

Fair Prices

Due to constant change in the market prices of farm seeds we are not quoting prices in this catalog. When you are ready to place your order write for our special "Blue List" quotations. It will save you money. All our seeds are of genuine Triple Test quality—guaranteed laboratory tested—and tagged to conform with your state pure seed law. Compare our samples with others. Free samples on request.

Clover Seed

Alfalfa (Sow 20 to 30 pounds per acre). The most valuable forage crop in use today, and the greatest soil builder. Produces 3 to 5 cuttings a season with an average yield of 5 to 7 tons of fine hay each year. Thrives best in a deep, limestone soil. Sow the seed in May, August and September.

Dakota No. 12. A very productive variety that will resist winter-kill remarkably. We recommend Dakota above other common types for hay yield and hardiness.

Kansas Dry Land. Nearly as hardy as the northern grown seed and will stand winters except in high altitudes. Very satisfactory for the middle west and south.

Certified Grimm. A strong rooted alfalfa that gives the plant a firm hold on the soil and will withstand the most severe winters. Its root system is more spreading and will grow on shallower soil than others.

Medium Red Clover (Sow 8 to 10 pounds per acre). The most practical of all clovers for general farm use. Makes an excellent pasture, a fine hay crop, and a wonderful soil builder. Makes 2 crops each season yielding about 2 to 3 tons of hay per acre. It is a biennial and will last only 2 to 3 years unless allowed to reseed itself the second year. Our seed is strictly American grown. We do not import clover.

Mammoth Red Clover Also known as Sapling Clover. (Sow 8 to 10 pounds per acre). Coarser and stronger than the Medium Red and a little taller growing. Well adapted for hay if cut early but more generally used as a pasture crop and for fertilizer.

Alsike Clover (Sow 6 to 8 pounds per acre). One of the hardiest of all clovers. Produces several cuttings of nutritious hay each season and makes fine pasture. Thrives best on low, moist land and withstands the extremities of cold and drought. Well adapted for mixing with Timothy as it may be grown and harvested under similar conditions.

Sweet Clover, White Blossom (Sow 15 to 20 pounds per acre). A hardy biennial of erect, branching growth. Resembles alfalfa when young but grows up much coarser and as high as 5 to 7 feet. Used extensively for bee pasturage and as a green manure. Can be grown successfully on any soil. Produces one cutting the first season and 3 or 4 the next, and yields a tremendous quantity of hay which is relished as much as alfalfa once the stock have become used to it. It lasts only two years unless allowed to reseed itself the second season.

Sweet Clover, Yellow Blossom (Sow 15 to 20 pounds per acre). Similar to the White Blossom variety but 10 to 20 days earlier and has finer hay.

White Dutch Clover (Sow 6 to 8 pounds per acre). A compact, low growing clover used in permanent pasture and lawn mixtures. Will thrive on any soil and seldom dies out. It is too small to cut for hay but should be used in any pasture mixtures.

Crimson Clover (Sow 12 to 15 pounds per acre. An annual clover of quick growth, rich in feeding value. As a soil enricher it cannot be surpassed. Sown in September as a winter cover crop and plowed under in the spring for green manure. This is practical only in the South as it will not withstand northern winters.

Grass Seeds FOR HAY AND PASTURE

Timothy (Sow 12 to 15 pounds per acre). This well known grass is used exclusively for hay and pasture and will produce a good crop on almost any soil. Grows to a height of 4 or 5 feet and the hay is exceedingly nutritious.

Red Top (Sow 15 to 20 pounds per acre). One of the best permanent pasture grasses in use. Grows well anywhere but is especially suited to moist, rich soil. Stands the hot weather admirably. Often used in mixtures.

English Rye Grass Perennial. (Sow 40 to 50 pounds grass for pastures. Produces an abundance of fine foliage and forms a close compact sod. Grows quickly after cutting and remains green throughout the season. Used principally in mixtures for permanent pastures.

Orchard Grass (Sow 25 to 40 pounds per acre). One grower and yields a large crop of nutritious hay. It is hardy and will grow anywhere in the United States except the extreme South. The tendency of Orchard Grass is to form tufts or stools, therefore it is better to sow it in a mixture with other grasses. It is fine for pasture, furnishing good grazing from early Spring to late Fall, thriving as well in shady places as in the open.

Palmer's Pasture Mixture (Sow 40 to 50 pounds many mixtures for establishing permanent pastures. We combine in this mixture the best grasses for use in the Mississippi Valley, all of them being good yielding varieties and producing hay of high feeding value. It is made to give satisfaction.

Cowpeas

A valuable crop for hay, pasture or fertilizer. Sow the seed broadcast or in rows at the rate of 1 to 1½ bushels per acre.

Whippoorwill (70 days). An upright growing variety, maturing early and producing a big crop of forage and peas. Does not run as much as the other varieties. The peas are brown speckled and large.

New Era (60 days). New Era is one of the best varieties grown. Matures earlier than any other variety and makes a fine quality of hay. The vines have an erect growth and produce an enormous crop of bluish gray peas.

Fancy Mixed (60 to 70 days). Our Fancy Mixed cowpeas are fine for hay and plowing under. The mixture is composed of 4 or 5 leading varieties and all of them good producing sorts. The price of mixed is considerably cheaper than straight varieties, and we recommend them wherever a good all around cowpea is desired.

Canada Field Peas and Black Eye Peas. See page 20. Write for quantity prices.

Soybeans

The use of the Soybean as a forage and feed crop is increasing, as well as for its great fertilizing qualities. The growth is very similar to cowpeas. Sow at the rate of 1 to $1\frac{1}{2}$ bushels per acre broadcast or in rows $2\frac{1}{2}$ to 3 feet apart.

Virginia Brown (115 days). An early variety yielding a good tonnage of hay and beans. The vines grow 3 to 4 feet high. Particularly suitable for planting with corn for silage, but also used much as a straight hay crop.

Wilson Black (115 days). An excellent Soybean for able it to cure quickly and it holds the beans in its pods a long time. Recommended as wilt resisting.

Manchu Early Yellow (120 days). The best of all the yellow varieties. It is adaptable for all purposes—hay, grain or oil crushing. Where a good dependable Soybean is wanted this variety can be grown with satisfaction and the price is much cheaper than others.

RECLEANED AND TESTED

Farm

High Quality Sorghums

For forage sow the seed broadcast using 50 pounds per acre. For Sorghum purposes sow the seed in rows at the rate of 8 to 10 pounds per acre, making the rows $3\frac{1}{2}$ feet apart.

Early Amber. The most used variety for forage. Furnishes a large yield of nutritious fodder, which can be fed either green or cured. Will produce 2 to 3 cuttings a season, stooling out quicker each time it is cut. Grows 10 to 12 feet high. This variety can be used for syrup but the Orange and Ribbon Cane are better for that purpose.

Early Orange. In habit of growth it is very similar to the Early Amber but does not grow quite so thickly, and matures a little later. Used extensively for both Sorghum and fodder.

Texas Ribbon. This is the leading variety used for the manufacture of syrup. It has given the utmost satisfaction for that purpose, sometimes yielding as much as 300 to 400 gallons per acre. Matures early and grows about 10 to 12 feet high.

Summer Forage Seeds

Sudan Grass A heavy yielding forage crop of high feeding to a height of 6 to 10 feet, with fine stems seldom thicker than a lead pencil. The hay cures easily and is of excellent quality readily eaten by all stock. Will grow on all soils and yields 2 to 3 cuttings each season. If broadcast thick (30 pounds per acre) it grows only 4 to 5 feet high but the hay is much finer and of better quality. A summer crop of surpassing value. (Sow 12 to 15 pounds per acre).

White Kaffir Corn A productive member of the Sorand smaller stalks than the other varieties. Unsurpassed and smaller stalks than the other varieties. Unsurpassed for dry lands because of its great drought resisting qualities. The stalks grow 5 to 7 feet high and produce two cuttings of fodder a season, making straight, upright growth with long stems and enormous wide leaves. The fodder is relished green or dried by cattle and horses and the grain is used extensively for poultry feed. Sown broadcast at the rate of 40 to 50 pounds per acre, or in rows at the rate of 8 pounds per acre. per acre.

Milo Maize Grown for fodder and for its grain which is of the finest quality. It stands dry weather and makes a crop where corn and other crops would fail. Plant the seed in rows 3½ feet apart using 8 to 10 pounds to the acre.

German Millet Grows very rank and is one of the best summer forage crops. The hay is sweet, palatable and milk producing. On good rich soil it will grow 4 to 5 feet high and produce 3 to 4 tons of hay per acre. Much used as a summer "catch crop." Leaves the ground in good condition for wheat. Sow the seed broadcast at the rate of 35 to 50 pounds per acre.

Seed Grains

Fultz Seed Wheat Soft, red winter wheat, medium straw is purple, medium strong and of medium height. The grain is of good milling quality and largely grown in Missouri. Plant 11/4 to 11/2 bushels per acre in drills.

Seed Barley (Common Bearded). Used largely for Winter and Spring grazing and also as a grain crop. Our seed is recleaned, practically free from impurities, and will make a good crop of nutritious green forage. Plant 2 to 2½ bushels per acre in drills.

Seed Rye

A hardy crop grown principally for green forage and grazing. Excellent for Spring and sallowed to go to seed. A good "catch crop" where grain crops have been winter-killed. Grown heavily in some sections for grain. Sow 1 to 1½ bushels per acre broadcast or in drills.

Seed Oats (Texas Red Rust Proof). A vigorous grower producing heavy yields of grain. It matures medium late, has heavy straw and reddish grain; medium tall. We have found this variety especially suitable for Missouri, Illinois and the South. Sow 2 to 2½ bushels per acre.



Seeds

Fair Prices

Seed Oats (White Champion). A short growing variety with light straw and white grain. Matures very early and yields a big crop. Very popular among Missouri and Illinois farmers. Sow 2 to 2½ bushels per acre.

Hairy or Winter Vetch Noted for its extreme hardiness. Excellent for a Winter cover crop and also for forage and fertilizer. If sown in August and September it will make a good crop of forage the following Spring. Used extensively for plowing under, for dairy stock and poultry pasture. Sow 1 to 1½ bushels per

Rape Seed (Dwarf Essex). Will produce a heavy yield of forage at small cost. Valuable for green manuring and furnishes rich, nutritious pasture. Can be grazed 6 weeks after planting. Relished by hogs and sheep. Sow in Spring or Fall 10 to 12 pounds per acre broadcast; 4 to 8 pounds in drills.

Standard Evergreen Broom Corn best variety for general use. Grows erect to about 8 feet, bright green color but coarser than the Dwarf. (Sow 10 to 12 pounds per acre in rows).

Sunflower Mammoth Striped Russian. A tremendous yielder making heads 18 to 20 inches in diameter on stalks 10 feet high. Often produces 125 bushels of seed per acre. The seed is used as a poultry feed. Sow 4 to 6 pounds per acre in rows; 31/2 to 4 feet apart. Cultivate like

Buckwheat Japanese. This sort has proved to be much earlier and more productive than any other variety. The grains are very large and of rich, brown color. It excels in yield and earliness.

Selected Seed Corn

Plant Corn adapted to your locality. Our special Seed Corn is grown Plant Corn adapted to your locality. Our special Seed Corn is grown from carefully selected stock by professional corn breeders and is strictly recleaned and graded. We quote only those varieties that have real merit. You will profit too by standardizing on the best varieties. Samples submitted on request.

Corn is planted in rows 4 feet apart, dropping 1 seed every foot in the row. One peck will plant an acre. For ensilage sow thickly in rows 3 to 4 feet apart, using 1 to $1\frac{1}{2}$ bushels per acre.

Write for Special "Blue List" Quotations

EARLY VARIETIES

Pride of the North (90 Day Yellow Dent). The best 90 day yellow corn in the corn belt. Will mature anywhere in that length of time and produces an enormous crop. The ears are 8 to 10 inches long, filled with 16 to 18 rows of deep golden yellow kernels. Has a small cob and tapers to the tip.

Silver King (90 Day White Dent). One of the best early white varieties grown. Very prolific. The ears are uniform in shape, usually running 8 to 10 inches long and bearing 16 to 18 rows of deep kernels on a small cob. Gaining in popularity each year throughout the central

LATE VARIETIES

Reid's Yellow Dent (110 Days). The outstanding yellow corn. It has a rich yellow color and bears deep closely packed grains, 18 to 24 rows on a cob. The cob is small and red. Ears well filled from tip to butt. We cannot offer a better corn for this section.

Iowa Silver Mine (100 Days). We recommend this as the best white corn for late crop. It is a heavy yielder and will withstand dry weather remarkably. The ears are 10 to 12 inches long and have 16 to 20 straight rows of pure white kernels on a small cob.

St. Charles Red Cob (110 Days). The premier ensilage and fodder corn. Has large white ears with a red cob and moderately rough grain. Ears 10 inches long, 18 rowed. The stalks grow very leafy and produce a tremendous crop of fodder. Our special St. Charles Corn is grown under our personal supervision within 25 miles of St. Louis.

We Also Have Stocks of the Following Miscellaneous Farm Seeds

Japan Clover Burr Clover Meadow Fescue Feterita

Hog Millet Speltz or Emmer Italian Rye Grass Woods Clover Johnson Grass Hubam Clover Flax

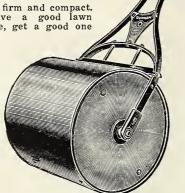
Prices Submitted on Request

Garden and Lawn Supplies

Dunham Lawn Rollers WATER BALLAST

Rolling keeps the lawn firm and compact. Every home should have a good lawn roller. If you have none, get a good one

this spring and consider it a permanent investment. The Dunham is the best roller-type lawn roller on the market. Can be made as heavy or as light as wanted simply by putting in the right amount of water. Made of heavy steel plate, scientifically welded, has steel handles and rounded edges. Built to last a life-time.



			Weight	Weight	
No.	Diam.	Length	Empty	Full	Price
WB 5	 18 in.	24 in.	85 lbs.	265 lbs.	\$18.75
		24 in.		420 lbs.	21.75
			130 lbs.	56 5 lbs.	25.00
	 	J- 1111	100 105.	ood IDS.	20.00

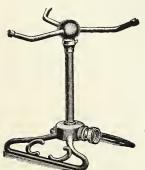
Grass Shears

A handy tool for trimming the grass along walks and flow-

Improved Grass Shear



No. 117. A wonderful tool for cutting grass and light vines. The handles are made to fit the hand. Easy to use—no tiring no blisters. \$1.00 each.



Three Arm Sprinkler

No. 200. Will cover a wide area and distribute the water evenly. Throws water into the air in a spray which breaks and forms a fine mist. Made of iron base, red enameled upright tube, and brass arms. Height 10½ inches. \$1.50

Rain King Sprinkler

Combines all the good features of both revolving and stationary sprink-lers. Will sprinkle a circle 8 feet to 70 feet across. Can also be adjusted to a stationary position for watering shrubs, flower beds, etc. Nozzles, bushings and hand wheel are made of solid brass. Base and sprinkler arm made of heavy castings painted green. \$3.50 each.



Philadelphia Lawn Mowers

A Product of Real Quality.

The genuine Philadelphia Lawn Mower is recognized the world over as the best made. Every day of the year they give unsurpassed service to golf courses, cemeteries, parks and private lawns. In Philadelphia mowers are combined the very best of materials and workmanship. Equipped with vanadium steel knives and easy running roller bearings made of the finest tempered steel.

Style A. High wheel, all steel, light weight. Ten-inch driving wheels; four blades; double ratchet; 3 gears on one side. 15-inch, \$21.00; 17-inch, \$25.00; 19-inch, \$26.50; 21-inch, \$29.00.

inch, \$29.00.

We nave other high quality Lawn Mowers from \$11.00 up.

Grass Catchers

Made of strong galvanized iron bottoms and frames, covered with heavy duck canvas sides, blue or green striped. 12- to 18-inch, \$1.75; 16- to 20-inch, \$2.00.

We also have a special Grass Catcher at 75c and \$1.00, respectively in the above sizes.

Garden Hose
Our garden hose is made from high quality rubber and will give long service. We can supply any length desired and will fit couplings at 15c each extra. Plain and Corrugated hose is sold by us at the same price. Specify which kind when

					Size	rerrt.
No. 8	312	Redstrong	(Red)	 	.½-inch	13c
No. 8	358	Redstrong	(Red)	 	. ¾-inch	16c
No. 7	712	Longwear	(Black)	 	. ½-inch	12c
No. 7	734	Longwear	(Black)	 	. ¾-inch	15c

Rain King Hose Couplings

Made of solid brass. stantly connects hose to faucet or nozzle by simply slipping one-half into the other. This eliminates trouble in connecting hose. No more lost washers. Fits standard 34-inch hose. Each, 75c.



Perfect Clinching Coupling
Adjusts itself to any thickness of hose. Makes a smooth joint that cannot leak, pull off or turn. Length 2½ inches. Please specify for ½-inch or ¾-inch hose when ordering. 25c each.

Brass Ring Lawn Sprinklers



No. 225. Made of polished brass; top perforated with fine holes; will stand the highest pressure. Throws a fine spray over a very large surface and can be conveniently moved without shutting off the the water. 75c each.

Half Ring Fountain

No. 235. Similar to the No. 225 above but is just a half-ring. Sprays in a semi-circle which avoids wetting walks, walls, etc. 75c each.



Hose Nozzles

No. R. Made of polished brass. Adjustable to throw a solid stream, light spray, or shut off. Fits \%-inch hose. 50c each.

GARDEN AND LAWN SUPPLIES

Lawn Weeders

No. 96. Removes the weeds by their roots without damaging the turf. Push the tool down close below the roots at an angle of 95 degrees; then push toward the weed and pull up straight. Finished in black enamel with wooden Easy-Grip handle. 75c each.



(Schroeters). Made all in one piece. Will not bend. 75c each.



Imported Lion Pruning Shear

This wonderful pruning shear is manufactured in Germany and is the best one on the market today. It is nickel plated all over and made of first quality steel. Many of the leading professional gardeners and horticulturists are using this pruning shear with complete satisfaction. \$2.50 each. Other pruning shears from 50c up.



Made of the highest quality steel! Can be used for trimming grass under fences, bushes, etc. A well made shear built for long use. 8-inch with notch, \$2.25; 10-inch with notch, \$2.75.

Lawn Edgers

Planet Jr. A useful and handy tool to keep your lawn edges well trimmed along walks, flower beds, walls, etc. Light weight and easy to work with. \$1.75 each.

Asparagus Knife

A high grade flat blade made of polished cutlery steel. Double beveled cutting edge. Blade 7½ inches long; 7-inch hardwool handle. This is a real knife for the price. 50c each.

Budding Knife

No. 199. Ebonized handle; brass lined; polished steel blade and budder. Length 4% inches. \$1.75 each.

Pruning Knife

No. 157. Cocobolo handle with steel lining. Glazed hookbill blade. Length 4 3-8 inches. \$1.50 each.

Pruning Knife

No. 156. Cocobolo handle with steel lining. 4%-inch glazed hook-bill blade. \$1.75 each.

Tree Pruners

The best tree pruner on the market. Cuts limbs up to %-inch in diameter. The blade is reset from spring on handle. 8-ft., \$2.00; 10-ft., \$2.25; 12-ft., \$2.50. Extra blades 20c each.

Tree Pruner and Saw Combined

No. l.G. The knife is operated with a cord and is reset automatically by a spring. Has a 12-inch plain toothed saw made by Disston. Straight blade. S3.00 each.

Hook and Saw Pruner

No. OPH. Has a 10-inch slender tooth curved saw made by Disston. Made of crucible steel. \$3.00 each.

Pruning Saws



These saws are made of extra quality tempered steel, polised and etched; graduated teeth; beechwood handles. Absolutely made to give satisfaction

	mage to give satisfaction.
16-inch	Stationary handle, each\$1.50
18-inch	Stationary handle, each
16-inch	Adjustable handle, each
18-inch	Adjustable handle, each 1.80
	Curved double edge, each
18-inch	Curved double edge, each 2.00

Transplanting Trowel



No. 217. Blade and shank made of one piece heavy sheet steel. For many purposes it is better than a bent shank trowel and answers for both trowel and dibble. Just the thirg for weed digging and transplanting; 6-inch blade. 20c each.

Garden Trowels



No. 75. A wonderful steel tool of the best material and construction. Blade and socket one piece. Varnished, hardwood handle riveted into socket. When you buy this trowel you will not need another for a long time. \$1.00 each. Other trowels, 15c and up.

GARDEN AND LAWN SUPPLIES

Garden Weeders



25. . Hazeltine Weeder. A popular style of hand weeder, the blade forming a half square, its peculiar shape permits a wide range of work. 25c each.



Lang Weeder. Small weeder with curved blade, a leather strap keeps the tool in the operator's hand while his fingers are left free. 20c each.

Garden Forks

No. OHD. 4-tine spading fork. Better than solid spades for gardening. The fork not only turns up the soil but breaks it up and makes cultivation easier. \$2.00 each. Other forks from \$1.35 up.

Garden Spades

No. LS2. D handle. The blade and socket are forged from one piece of heat treated steel. The handle is of selected ash, smoothly finished. This spade will give long service. \$1.75 each.

No. DEN. A special spade of heat treated steel highly polished. Full strap front and back. Built to last indefinitely. \$3.50 each.

Garden Hoes

No. BGO6. Draw hoe. Made of full polished steel blade with 4-foot ash handle. This is a real hoe and is well made. \$1.25 each. Other garden hoes, \$1.00.

No. A. Two-prong combined weeding and cultivating hoe. Made of the best steel blade and selected hardwood handle. \$1.25 each. Other weeding and cultivating hoes, 75c up.

Beet Weeder Hoe

A convenient little tool for working in beets, carrots and other small vegetables. 60c each.

Three Cornered Onion Weeder

A popular tool for close work among onions and other small crops. 60c each.

Potato Hook or Prong Hoe

No. BO4. An efficient and helpful pronged hoe for loosening the soil and digging potatoes. Well made and will serve a great many purposes around the garden. \$1.50 each. prong hoes from \$1.25 up.

Watering Pots

Box spout style; heavy galvanized. 4-qt., 95c; 6-qt., \$1.10; 8-qt., \$1.20; 10-qt., \$1.35; 12-qt., \$1.50.

Rubber Sprinklers

The best kind of sprinkler to use for plants, ferns and flowers. Has a big rubber bulb which ejects the water in a fine spray when pressed. \$1.25 each, large size.

Dibbles



For planting seeds. bulbs, and transplanting small plants. Has a 5-inch cast iron point ground smooth and bright. Natural finished maple handle fastened to the point with screws. Entire length 10 screws. inches. 75c each.



Celo-Glass

Takes the place of glass in hotbed sash, garage and barn windows, storm doors and many other places at a substantial Light weight and unbreakable. No glazing necessary, the only tools you need are hammer and tacks. Put up in rolls 3 feet wide, cut in lengths to suit. 1 sq. yard, \$1.65; 10 sq. yards, \$16.00.

Germāco Hotkaps



Make More Profit

This Amazing New Method Gets Your Crop to Market Earlier

Germaco Hotcaps can make you extra dollars this sea-Germaco Hotcaps can make you extra dollars this season. They protect plants from frost, wind, rain, insects and ground crusting. Thus they produce hardier, quicker crops. You get higher prices!

Thousands were used in 48 states last year. They cost so little that growers cannot afford to be without them. Price per roll (1000 Kaps), \$11.50. Write for free parambles or order today.

pamphlet or order today.

Earthenware Flower Pots and Saucers

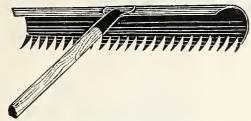


Cannot be sent by mail. Express and freight only. Write for special

juantity	prices.			
	Po	ts	Sauc	ers
Size	Each	Doz.	Each	Doz.
3-inch	\$0.03	\$0.35	\$0.03	\$0.35
4-inch	04	.40	.04	.40
5-inch	07	.80	.05	.50
6-inch		1.05	.07	.75
7-inch	20	1.80	.10	1.10
8-inch	25	2.50	.15	1.70
9-inch	45	4.00	.20	2.10
0-inch	50	5.75	.25	2.75
2-inch	90	10.00	.45	4.75
4-inch	1.50		65	

GARDEN AND LAWN SUPPLIES

Lawn and Garden Rakes



HUDSON ALL-PURPOSE RAKE. Every gardener should have one of these rakes. It cannot be equalled for raking up old grass, weeds, etc., and making new seed beds. Wherever strenuous raking is necessary the All-Purpose Rake will prove valuable. Made of durable steel and built for long, hard service. \$1.25 each.

GARDEN RAKES (Steel Bow). Made of solid steel with white ash handle. Teeth curved. This rake is most preferred for general use as it can be applied to a variety of needs. 12 teeth, \$1.25; 16 teeth, \$1.50. Other iron rakes from 75c up.

No. LO. WOOD LAWN RAKES. A 26-tooth rake made of hardwood head and genuine hickory teeth with malleable iron brace and socket. 6-foot ash handle. A handy rake for leaves, hay, etc. \$1.25 each. Other wooden rakes from 75c up.

JAPANESE BROOM RAKE. Fine for cleaning leaves, debris, etc., out of the lawn, leaving it as free from refuse as though swept with a broom. Made of split bamboo rigidly secured. It weighs only 12 ounces but is durable and efficient. 60c each.

Garden Sundries

PRUNING COMPOUND (Tree Paint). A specially prepared thick paint to cover wounds after pruning. Protects from weather and insects. Pt., 30c; qt., 50c; gal., \$1.75.

GRAFTING WAX. Used for grafting and also to rub over wounds made in pruning. Pt., 30c; qt., 50c; gal., \$1.75.

SPHAGNUM MOSS. Used for wrapping and packing plants. Also for storing bulbs and roots. \$2.50 per bale.

PEAT MOSS (Granulated). Used for lightening soils, giving it better air and water supply. Effective around trees and shrubs and in vegetable and flower beds. Also used as a top dressing on lawns. \$4.50 per bale (190 lbs.)

RAFFIA (Natural color). For tying plants, trees, grafting, basket making and fancy work. Natural, lb., 30c; skein, 10c; colored, lb., \$1.25; ½ lb., 40c.

Seed Sowers

CYCLONE SEEDER proved model). This is efficient and practical machine for sowing either seeds or fertilizer. Fits comfortably over the shoulder. Equipped with ½-bushel white duck bag, oscillating feed plate which prevents seed from clogging, and automatic adjustment for shutting off the flow of seed instantly. \$2.00 each.





HORN SEEDERS. Used with great success for sowing all kinds of seed broadcast. Sows 50 acres a day and is easily and quickly adjusted to various quantities. It has a heavy ½-bushel canvas sack and strong shoulder strap. \$1.00 each.

Eclipse Corn Planter

Has a positive feed with four changes of discs. Simple and easy to work. Discs are marked 1, 2 and 3 for planting the respective number of grains at a time. This is a real corn planter. \$2.50 each.

GARDEN SUNDRIES

TOMATO TWINE (No. 1 Jute). 2-ply or 3-ply. Lb., 30c; 5 lbs. and over, 25c per lb. BUNCHING TWINE (No. 1 White Cotton). 3- and 4-ply. Lb., 50c; 5 lbs., \$2.25; 6-ply, 50c per lb.

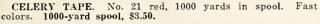
Bamboo Stakes

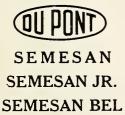
Used for staking light plants in greenhouses and in the garden. Round, painted green.

					Doz.	100
1	½ feet				\$0.10	\$0.85
2	feet				15	1.00
3	feet				. , 18	1.25
4	feet					1.50
5	feet	(Natural color)				2.00
6	feet	(Natural color)				2.00
			_			
		***	1 r			
		Woo	aen r	ot Lab	eis	
		W 00	den r 1000	ot Lat	oeis 100	1000
4	l-inch	100	1000	8-inch	100	
		100 \$0.35				$1000 \\ $4.75 \\ 6.00$
5	l-inch 5-inch 5-inch	100	1000 \$1.85	8-inch	100 \$0.60	\$4.75
5	5-inch	100 \$0.35 40	1000 \$1.85 2.45	8-inch 10-inch	100 \$0.60 85	$$4.75 \\ 6.00$
5	5-inch	100 \$0.35 40 45	1000 \$1.85 2.45 3.00	8-inch 10-inch	100 \$0.60 85 1.75	$$4.75 \\ 6.00$

100 1000

3½-inch\$0.45 \$2.90





CONTROL DISEASES HASTEN GERMINATION INCREASE YIELDS IMPROVE QUALITY

The Premier Seed Disinfectants

SEMESAN-This modern disinfectant can be applied in either the liquid or convenient dust form to prevent or control effectively a most diversified variety of diseases and fungous growths borne by seeds, bulbs, corns, roots, tubers, plants, grafts and soils. Semesan is harmless to plant life but extremely poisonous to disease and parasitic organisims.

SEMESAN JR.—A less expensive but equally effective form of Semesan for the dry dust disinfection of both field and sweet corn seeds against the ear, root and stalk rots.

SEMESAN BEL—Applied to whole or cut seed potatoes, either as a dry powder or a whitewash-like water mixture. Semesan Bel has caused in many cases better disease-control and greater yields of disease-free potatoes than any other treatment known.

In All Package Sizes



100 1000

Prices for Du Pont Semesan

5-inch\$0.75 \$5.00

Semesan Jr. and Semesan Bel

1 lb. \$1.75 25 lbs...\$37.50 5 lbs. 8.00 100 lbs...140.00

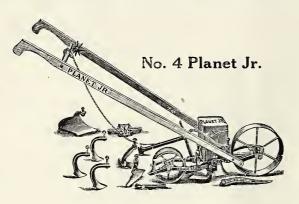
Semesan Disinfectants Make Good Seeds Grow Better—Ask for Free Booklets.

Write for Complete Catalog

Planet Jr. Garden Tools

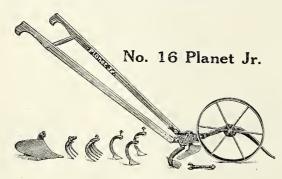
The Best Garden Tools in the World

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow



This tool combines, in a single convenient implement, a capital hill-dropping seeder, a continuous row seeder, single wheel hoe, an excellent furrower, a capital wheel cultivator and a rapid and efficient wheel garden plow. In a word, with a great variety of tools, excellent in design and quality, it is without an equal for easy adjustment, lightness, strength and beauty. It is a practical, every-day time, labor and money saver. Holds 2½ quarts of seed. Weight, 49 pounds. Price, complete, \$18.00; as a seeder only, \$14.25.

No. 16 Planet Jr. Single Wheel Hoe, Cultivator, Rake and Plow

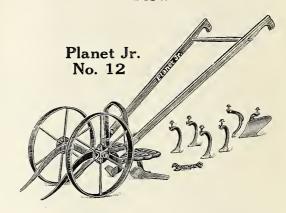


This cultivator has a great variety of tools which adapt the implements to a large variety of work, and there is scarcely any girden of which they are not capable. The handles are adjustable in height. The frame is steel, convenient and strong, with quick change device by which to exchange the tools. Weight, 25 pounds. Price, \$9.00.

No. 17 Single Wheel Hoe

Identical with No. 16, but does not include rakes and leaf lifter. Price, \$7.75.

No. 12 Double Wheel Hoe, Cultivator and Plow



The Planet Jr. Double Wheel Hoes are the greatest cultivating tools in the world for the onion grower, and also garden crops from drilled seed. They do more and do it better and easier than can be done in any other way. The frame is steel.

The plows are invaluable; use them with points together for opening furrows for manure, seeds etc., then exchange sides for covering. Use them also for plowing away from or toward the crop, both sides at once.

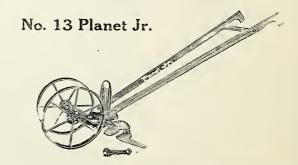
The cultivating teeth for deep or shallow work, and for marking out.

Leaf lifters enable fine work to be done when plants are large or leaves are flat on the ground. Weight, 33 pounds. Price, \$10.75.

No. 11 Double Wheel Hoe, Cultivator and Plow

It is similar to No. 12, but includes $4\frac{1}{2}$ -inch hoes and rakes, which make an added improvement. Price, \$13.75.

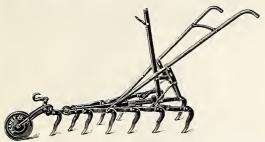
No. 13 Double Wheel Hoe



This tool has 6-inch hoes only, these being the tools that are most generally useful. The hoes are the most valuable of all the wheel hoe attachments; are oil tempered and polished. Weight, 27 pounds. Price, \$8.00.

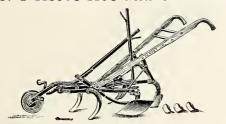
Planet Jr. Garden Tools---Continued

No. 91 Twelve Tooth Harrow



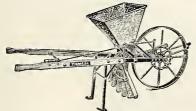
Works closely and thoroughly, deep or shallow and is well liked by hundreds of farmers and gardeners. Strawberry growers can use this tool effectively without throwing earth on the plants. Price, \$13.75; complete with pulverizer, \$18.00.

No. 8 Horse Hoe and Cultivator



Having no spokes it does not clog with stones, sod, corn stalks, etc. Closes to 10 inches and opens to 25 inches. This tool is built like a battleship and will last a life-time. Price, \$17.50.

No. 220 Fertilizer Distributor



Saves time and labor—produces bigger crops. Will distribute fertilizer in the middle of 3 rows 12 to 14 inches apart. It will side dress 1 side each of 2 rows up to 36 inches apart. Can be used in rows as narrow as 9 inches. Also fine for top dressing lawns, spreads the fertilizer evenly and quickly, saving time with greater efficiency. Capacity, 1 bushel. Price, \$27.00.

No. 3 Hill and Drill Seeder

Not Illustrated

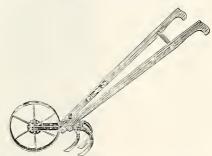
A favorite among onion growers and market gardeners. The hill dropping is simple and reliable, making hills either 4, 6, 8, 12 or 24 inches apart. Change of distance between hills may be made in less than a minute by substituting one gauge wheel for another. Has 15-inch steel driving wheel. Holds 3 quarts of seed. Weight, packed, 44 pounds. Price, \$17.50.

Star Pulverizer, Cultivator and Weeder



Used for pulverizing the seed bed in preparation for planting, and for keeping down weeds after crops are up. A wonderful tool for small gardens, flower beds, borders, and for cultivating around trees and shrubs. Price, \$3.25.

Juvenile Wheel Hoe



Made just like the regular single wheel hoes. A fine thing for the boys and girls. Equipped with 3 narrow cultivator teeth. The quality of material and workmanship in the Juvenile Wheel Hoe will prove as perfect as the regular Planet Jr. tools. Price, \$2.50.

Extras for Planet Jr. Hand Machines

Disc. Hoes, 3550X/3551X, pair	33.50
	1.20
6 in. Hoes S100/S101-4061/62, pair	1.30
7½ in. Hoes S100/S1014820/3, pair	1.50
9 in. Hoes S100/S101-4804/5, pair	1.65
Peat Land Hoes, E9/F10, pair	2.60
4½-inch Hoe Steels 4059/60, pair	.70
6-inch Hoe Steels 4061/2, pair	.80
7½-inch Hoe Steels 4802/3, pair	1.00
9-inch Hoe Steels 4804/5, pair	1.05
3-prong Clutivator Teeth S42/3, pair	1.75
Cultivator Teeth, Regular, No. 1395	.35
Narrow Cultivator Teeth, No. 2775	.35
Rakes, Three Tooth S24, per pair	1.00
Rakes, Five Tooth S25, per pair	1.60
Rakes, Seven Tooth S26, per pair	
trakes, beven 100th 520, per pair	2.20

No. 1696 Cultivator Tooth with U-2	\$0.75
No. 1697 Cultivator Tooth with U-2	.70
Plows for Dbl. Wh. Hoes M5/N5, pair	1.40
Plow Steels for D. W. H. No. 1121/2, pair	.80
Plows for Sgle. Wh. Hoes, R6, each	
Plow Steels for Sgl. Wh. Hoes, No. 1096	.70
Double Mouldboard Plows 4678X	
Dbl. M/B Plow with Conn. Bar	3.00
Onion Harvester, 8-inch, 817X	1.60
Handles, per pair	1.00
Peat Land Plow (K-362)	1.00
Peat Land Plow (K-282)	.90
Onion Set Plow (K-280)	1.00
Onion Set Plow and Covers (K-281) and (K-227/8)	2.00
5-Prong Attachment (S-94)	1.10
K-48 Wrench	

Improved Sprayers and Dusters

Judicious spraying of orchards and gardens is one of the best investments of time and money a gardener can make. By controlling and destroying insects and diseases of trees and plants you are rewarded with a greater yield of better quality fruit and vegetables. Every good gardener knows the value of regular spraying. Have your equipment ready.



Brown's Auto Spray No. 1

Positively guaranteed against all defects. Eight or ten strokes of the air plunger in the air chamber will compress enough air to discharge the entire contents and make a continuous spray for 9 minutes. Improved by addition of "Auto Pop" which turns spray off or on immediately. Capacity, 3½ gallons. Comes complete for spraying. equipped with 2 feet of hose, solid stream nozzle, fine spray nozzle and shut off. Weight, 9 pounds. Brass (1A), with stop cock, \$9.00 each; with auto spray, \$9.50 each. Galvanized (1C), with stop cock, \$6.00 each; with auto spray, \$6.50 each. 2 ft. brass extension rod, 50c.

Hudson Perfection No.

high pressure compressed air spraywhich can adapted to many uses. In addition to its main use for spraying gardens, orchards and vineyards, it is also handy for applying whitewash, cold water paints, floor oils, etc. Measures 71/2 inches in diameter and 20 inches high; capacity Fully gallons. equipped with nozwith hozzles, hose, etc. Weight 12 pounds. Brass (110B), \$9.50 each; galvanized (110G), \$6.50 each; 1foot brass extension rod, 45c each; 2-foot brass extension rod, 60c each.



Perfection Junior No. 140

Patterned after the larger sprayers but of more convenient size for the small garden. Measures 2½ inches in diameter and 17 inches high, capacity 2½ gallons. Complete with hose, nozzles, etc., weight 8 pounds. Brass (No. 140B), \$7.00; galvanized (No. 140G), \$4.75 each; 1-foot brass extension rods, 45c each; 2-foot brass extension rods, 60c each.

Brown Duster

Useful for dusting flowers, shrubs and garden crops. Made of heavy tin painted red. Pt. size, \$1.00; qt. size, \$1.25.

Hudson Sunshine Sprayer No. 36



(Wheelbarrow Type)

Designed for the florist and nurseryman. Adapted for spraying small orchards, vineyards, truck gardens, berry bushes, etc. The tank is heavy, galvanized steel sheet, capacity 12½ gallons. Wheels 16 inches in diameter. Equipped with 5 feet of 5-ply %-inch hose, 2-foot extension rod, angle spray nozzle, etc. Weight, 42 lbs. Complete, \$15.60.

Hudson Ideal Barrel Pump No. 4A

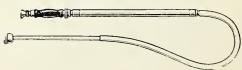
Will meet all requirements. Powerful, light and durable. Will maintain a continuous working pressure of 200 pounds. Equipped with 6 feet of 5-ply \(^3\epsilon -\)inch hose and 4-foot extension rod and angle nozzle. Weight. 33 pounds. Complete, \(^3\)14.00.

Hudson Cadet Duster



For dusting all insect powders; made of heavy tin, chamber 9 inches long; 1% inches in diameter. 50c each.

Standard Sprayer



(Trombone Type)

A high pressure spray pump adapted for all kinds of spraying. Double acting and continuous. Easy to operate, all parts made of brass. Can accommodate 30 feet of hose and will spray an entire tree without the use of platforms or ladders. The most simple and effective sprayer on the market. Equipped with 3 nozzles and 3 feet of hose. Complete, \$4.50.

.12

.17

Hudson Cyanogas Duster



(Designed for the use of Cyanogas). Equipped with a 12-inch pipe extension and a piece of flexible tubing 12 inches long. This enables the reaching of underground passages of rats, moles, etc. By eliminating the hose it is converted into a good garden duster. Complete, \$1.50.

Liquid Hand Sprayers



Each
Faultless (tin), 1 ot
Hudson Fog (tin), 1 ot
Hudson Misty (tin), 1 qt
Hudson Misty (brass), 1 qt
Hudson Midget (tin), 1 pt
Hudson Household (tin), 5½ ounces



Deming's Success **Bucket Pump**

One of the best known and most serviceable bucket pumps on the market. Equipped with 4 feet of %-inch hose, and Bordeaux nozzle. Uniform pressure. Convenient to use. Complete, \$7.00.

Bird Foods and Remedies

	Bv
	Mail
"Silvertone" Bird Seed. 1 lb\$0.15	\$0.17
Magic Song Restorer	.30
Dutch Song Restorer	.30
Canary Bird Pie	.17
Baby Canary Food	.17
Velvet Song Food	.30
Moulting Food	.30
Feather Restorer	.27
Lice Powder	.27
Bird Bitters	.27
Crystal White Sand	.15
Roller Canary Gravel	.15
Health Grit	.15
Cuttle Bone, each	.06
Fish Foods	
Wafer Fish Food	.12
Natural Fish Food	.12

A Remarkable New Discovery and Other For ROSES **PLANTS**

Vegetable Fish Food

Shrimp Fish Food



CONQUERS MILDEW AND BLACK SPOT

HIGHLY concentrated fungicide invisible on the foliage A or blooms. An improved form of the noted Rosenbluth formula, combined with the nitrogenous fertilizing product Hortogen that results in plant vigor almost beyond belief-superb foliage

and amazing blooms.

FUNGTROGEN is the most effective and scientific preventative and remedy for mildew, black spot and other fungoid diseases of Roses and other plants.

In gardens where FUNGTROGEN and its companion sprays are regu-

larly used, Brown Canker is unknown.

It is an equally efficacious detergent for rust on carnations grown under glass as well as snapdragons, etc., imparting a sturdy vigor heretofore considered impossible. FUNGTROGEN is a complete spray, easily diluted in water, making 60 times their volume.

Endorsed by the world's leading Rosarians.

	PKI		
1/2 Pint		Quart	
Dint	1 25	1/2 Gal	3 50
I mit			
	Gal	. 6.00	

The G. V. Continuous Sprayer

(Compressed Air)



Has a wide range of usefulness. Throws a variable stream of liquid, from a steady stream to a light mist without stopping operation, sprays water, insecticides, paints, lacquers, etc. No. 1, tin, \$1.25; No. 2, brass, \$1.75.

Seed Inoculation

Insures Quicker Catch and Bigger Crops

ALFALFA and all Clovers Each



Doz. Retail \$18.00 2½ bus. size..\$1.50 \$2.25 bu. size... .67 8.00 1.00 ½ bu. size... .40 4.80 .60 ¼ bu. size... .35 SOY BEANS, VETCH, COW-PEAS and all large seeded vari-Each Doz. Retail eties. \$2.25 bus. size..\$1.50 \$18.00 bu. size... .40 4.80 .60 ½ bu. size...

State variety desired. Descriptive Literature Free.

Palmer's Special Fertilizers

For Gardens and Lawns

The human race would not be expected to live long without food; we must constantly nourish our bodies to keep in existence. How many people fail to realize that plant life needs food, also? They plant their gardens year after year, diminishing the fertility of the soil each time, but never put back plant food in the earth. As a result they do not get full rewards for their work because the soil does not produce good crops.

Use a liberal application of fertilizer this Spring. You will have better success with your gardening. Get our special prices in ton lots.

The proper plant food is necessary for the best results increase it is the best results with your lawn and garden. Vigoro is a well balanced plant food. It will produce velvety lawns beautiful discounting the control of the best results with your lawn and garden. Vigoro is a well balanced plant food. It will produce velvety lawns beautiful discounting the control of the best results with your lawn and garden.

ers and delicious vegetables. It is scientifically prepared, clean and odorless. 100 pounds will cover 2500 square feet. 5 lbs., 50c; 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lbs., \$5.00.

Hydrated Lime Sweetens the soil and corrects acidity, making plant food elements more available. Excellent for lawns, apply 1 ton per acre. 10 lbs., 35c; 50 lbs., 90c; 100 lbs., \$1.70.

Prepared Humus A good product to incorporate with greenhouse. A layer of Humus 2 inches deep over your garden before spading will put it in good shape for gardening. 50 lbs., 90c; 100 lbs., \$1.50.

Hardwood Ashes Highly prized for its high potash potting soil and as a lawn and garden fertilizer. Contains all the plant food elements except nitrogen. Apply 1000 pounds per acre first year, and 300 pounds thereafter. 10 lbs., 50c; 50 lbs., \$1.50; 100 lbs., \$2.50.

Palmer's Vegetable Fertilizer A good general for vegetable gardens that will produce bigger yields and better quality crops. It is also used extensively on grain and grass crops and is a satisfactory fertilizer for all purposes. Apply 800 to 1000 pounds per acre. 100-lb. bags only, \$3.50; 500 lbs., \$16.25.

Acid Phosphate 16% available phosphate. Used largeing great amounts of phosphoric acid. Apply 1000 pounds per acre. 5 lbs., 30c; 25 lbs., \$1.00; 100 lbs., \$3.00; 500 lbs., \$12.50.

Sulphate of Ammonia

A valuable fertilizer for all plants in which rapid growth or large leaf development is desired. Produces quick results. Analysis shows 25% ammonia. Used largely as a top dressing for Bent lawns. Use 100 pounds to the acre. Lb., 15c; 10 lbs., \$1.00; 50 lbs., \$3.00; 100 lbs., \$5.50.

Nitrate of Soda (Chilian Saltpeter). Supplies nitroproduces active results immediately. Used for stimulating growth of backward plants and trees, for forcing certain vegetable crops, and wherever nitrogen is needed in the soil. Use 100 to 200 pounds to the acre. If used as a liquid mix one pound to 8 gallons of water. Lb., 15c; 10 lbs., \$1.00; 50 lbs., \$3.00; 100 lbs., \$5.50.

"Adco" Artificial Stable Manure A bacterial product for making artificial manure. Converts dried leaves, grass cuttings, straw, green weeds, etc., into clean manure. Full directions accompany each package. Fifty pounds is enough for a heap of garden waste $10 \times 10 \times 2$ ft. 25 lbs., \$2.50; 150 lbs., \$12.00.

Dried Blood This is used a great deal for indoor cluture of flowering plants, being chiefly of nitrogen content. For roses, carnations and chrysanthemums it is very valuable. Also used for mixing with soil and for liquid fertilizing. Lb., 15c; 10 lbs., \$1.10; 50 lbs., \$4.00; 100 lbs., \$6.50.

Sacco is a specially pre-pared Plant Food for the development of lawns, gar-dens, shrubs, pot plants, flowers and trees. It has the endorsement of high authorities on plant nutri-



tion. It is effective and economical. A light application once or twice a year of 4 pounds per 100 square feet will keep the lawn in excellent growing condition. Sacco is absolutely odorless. 100 pounds will cover 2500 square feet. There is no chance to introduce noxious weeds into your lawn when you apply Sacco. Lb., 25c; 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lbs., \$5.00.

Sulphate of Potash A highly concentrated form of tatoes, corn, grain and all root crops. Also used as a filler for other fertilizers. Apply 100 to 150 pounds for an acre. Lb., 15c; 10 lbs., \$1.00; 50 lbs., \$3.00; 100 lbs., \$5.50.

Tobacco Stems Both a fertilizer and insecticide. Used largely for mulching and fertilizing. In addition to the three basic plant foods it contains nicotine, which is of value in killing the larvae of many insects that live in the ground. Lb., 10c; 5 lbs., 40c; 10 lbs., 70c; 100 lbs., \$5.00.

Floranid A concentrated plant food imported from Germany containing 46% available nitrogen. It is a high grade fertilizer for vegetables, flowers, shrubs and lawns. Produces amazing results, quick action and is the best known for forcing growth. 1/2 lb., 50c; lb., 75c; 50 lbs., \$14.00; 100 lbs., \$28.00.

Stim-u-planT Tablet form fertilizer for house plants and flowers. Rich in concentrated essential plant foods. Convenient to use, clean and odorless. Full directions on each package. 10 tablets, 15c; 30 tablets, 25c; 100 tablets, 75c; 1000 tablets, \$3.50.

Wizard Sheep Manure Pulverized Sheep Manure is an ideal fertilizer to use for the lawn, in the garden, the perennial border, shrubbery beds, small fruit garden, flower beds, etc. It is safe and dependable. A natural plant food and not a chemical stimulant. Every amateur gardener can get results with Wizard. For lawns use 100 pounds per 1000 square feet. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$2.90; 500 lbs., \$13.75.

Shredded Cow Manure A dependable high grade natural fertilizer for all purposes. It is rich in plant food elements and can be used to advantage on anything requiring nourishment. It is treated by a special process and comes ready for use, clean, and without an offensive odor. Especially suited for mulching, soil mixing and liquid manuring. Apply 1000 pounds per acre-160 lbs., \$2.90; 500 lbs., \$13.75.

Poultry Manure One of the best natural fertilizers and highly valued by all gardeners. It comes pulverized and ready for use. Lb., 10c; 5 lbs., 35c; 10 lbs., 65c; 50 lbs., \$2.00; 100 lbs., \$3.50.

Bone Meal An excellent top dressing for lawns and an effective fertilizer for use in gardens, vineyards and orchards. Can be used around shrubs and in flower beds without danger of burning the plants. Apply 800 pounds to 1000 pounds per acre. 5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.50; 100 lbs., \$3.50; 500 lbs., \$16.50.

INSECTICIDES AND FUNGICIDES

Fight the Bugs!

Write for complete Spraying Guide.

Save the Crops!

WILSON'S O. K. PLANT SPRAY. For twenty years the leading Insecticide of America, for inside and outside spraying. For Aphis, Thrip, Mealy Bug, Scale, Rose Bugs, and many other insects. The only Insecticide recommended by the officers and members of the Garden Club of America.



1/2	pt	\$0.40	,	
1	qt	1.00	10 gals.	\$20.00
1	gal	3.00	25 gals.	50.00
5	gals	12.00	50 gals.	90.00
		•		

THE COMPLETE DORMANT SPRAY...

(Pratt's). Used to destroy San Jose scale. An all-around dormant spray for use during late fall, winter or early spring when leaves are off the trees. Non-poisonous. One gallon makes 15 gallons of spray. Qt., 75c; gal., \$1.75; 5 gals., \$6.25; 10 gals., \$10.60; 15 gals., \$13.50; 50 gals., \$38.00.

SULFOCIDE A Better Summer Spray

A non-poisonous sulphur fungicide used effectively against fungous diseases of peaches, apples and all kinds of fruits, vegetables and flowers. Dilute 1 gallon to 200 gallons of water. Pt., 70c; qt., \$1.00; gal., \$2.75; 5 gals., \$8.75.

SLUG SHOT (Hammond's). The standard remedy for cabbage worms, potato bugs, rose slugs, currant worms, and all soft shell chewing insects that infest vegetables and flowers. Used as a dust. Lb., 20c; 5 lbs., 60c; 10 lbs., \$1.10; 50 lbs., \$5.25.

ARSENATE OF LEAD POWDER (Acme). For spraying trees and shrubs against leaf biting insects. Does not injure foliage. Dilute 1 pound with 50 gallons of water. ½ lb., 30c; lb., 50c; 4 lbs., \$1.40. Write for special quantity prices.

BORDEAUX MIXTURE POWDER (Acme). Used against mildew, blight, rust, scab and all fungous diseases. Can be used either dry or diluted at the rate of 1 pound to 5 gallons of water. ½ lb., 20c; lb., 35c; 4 lbs., \$1.25. Write for special quantity prices.

PARIS GREEN (Acme). Kills potato bugs, worms, caterpillars, etc. When used dry mix 1 pound with 100 pounds of lime; when used as a liquid spray mix 1 pound with 50 gallons of water. Very poisonous. 1/4 lb., 15c; 1/2 lb., 25c; lb., 45c; 5 lbs., \$2.00.

LIME-SULPHUR POWDER (Acme). More convenient to handle than lime-sulphur solution. For scale insects on trees and shrubs, and fungous diseases that can be treated in winter or early spring. For dormant spray mix 10 pounds to 50 gallons of water; for summer spray mix 3 pounds to 50 gallons of water. Lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.75.

LONDON PURPLE. Used in large quantities to fight potato bugs in Hollandale and other large potato growing sections. 1/4 lb., 20c; lb., 50c; 4 lbs., \$1.40. Write for special quantity prices.

SODIUM FLUOSILICATE. Used extensively for dusting cucumbers and melons to exterminate and check beetles. Positive results. Mix 1 pound to 5 pounds of lime. Lb., 25c; 5 lbs., \$1.00; 50 lbs., \$9.00.

BLACK LEAF "40." A powerful insecticide for combating sucking insects such as plant lice, aphis, red spider, leaf hopper, etc. Dilute 1 ounce with 3 or 4 gallons of water. Oz., 35c; ½ lb., \$1.25; 2 lbs., \$3.50; 10 lbs., \$13.50.

NIKOTEEN (30%). One of the best nicotine sprays for fighting aphis, plant lice, mealy bug, spiders and other forms of sucking insects. Oz., 30c; 2 ozs., 50c; ½ lb., \$1.25; lb., \$2.25

SULPHUR, FLOWERS OF. For checking mildew and other fungous diseases. Lb., 15c; 10 lbs., \$1.25; 25 lbs., \$2.50.

APHIS PUNK (22½% Nicotine). A paper thoroughly saturated with nicotine. Used largely for fumigating greenhouses and conservatories. Throws off a dense vapor when burned and kills aphis, thrip, white and green fly, spiders, etc. Doz. sheets in air tight package, 85c.

TOBACCO DUST. For fumigating and dusting and a preventative against aphis, beetles, fleas and insects in the ground and around roots of trees and shrubs. Lb., 10c; 5 lbs., 40c; 10 lbs., 70c; 100 lbs., \$5.00.

NICO-DUST NO. 10. A remarkable insecticide for the control of asparagus aphis, cantaloupe aphis, pea aphis, leaf hoppers, flea beetles, cucumber beetles, squash bugs, etc. We recommend this very highly. Positive results. Lb., 75c; 5 lbs., \$3.00; 25 lbs., \$10.00.

PYROX (Bordeaux-arsenate of lead paste). A combined insecticide and fungicide forming a remedy for fungous and leaf-eating insects. Dilute 1 pound with 5 to 10 pounds of cold water. Lb., 50c; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.25.

HELLEBORE (Powder). Efficient in combating rose bugs and worms on currants and gooseberries. Also used against potato bugs. ¼ lb., 25c; ½ lb., 40c; lb., 75c.

VOLCK. A wonderful spray for the garden, nursery and greenhouse. Has produced marvelous results in controlling red spider, mites, files, scales, mealy bugs, caterpillars, aphis, etc. Kills the insects and acts as a repellant also. This is the ideal spray for roses, chrysanthemums and carnations and is especially recommended for greenhouse use. ½ pt., 50c; pt., 75c; qt., \$1.00; gal., \$3.00; 5 gals., \$12.00; 14 gals., \$25.00.



A pyrethrum preparation that kills cutworms, cabbage worms, cucumber beetles, aphis, rose flies, red spiders and other sucking and chewing insects. Acts both by contact and stomach poisoning. Harmless to plants and humans. Dilute 1 part Evergreen with 800 parts of water for mild spraying; in serious cases double the portion of Evergreen. 1½ oz., 35c; 6 ozs., \$1.00; lb., \$2.00; 2 lbs., \$3.85; gal., \$13.00.



DERRISOL. An inexpensive, safe and effective non-poisonous insecticide for controlling plant lice, leaf hopper, green flies, red spiders and many other insects. One part of Derrisol mixed with 800 parts of water. Oz., 35c; ½ lb., \$1.25; lb., \$2.25; 2 lbs., \$3.00; 10 lbs., \$12.00.

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